CITY OF LONDON
2012 DRINKING WATER SUMMARY REPORT

System Name: City of London Distribution System

Mailing Address: Corporation of the City of London
P.O. Box 5035, 300 Dufferin Ave.
London, ON N6A 4L9

System Rating: Water Distribution Subsystem Class IV
Water Treatment Subsystem Class II

Average Day Demand: 131.7 MLD
Peak Day Demand: 185.9 MLD (July 12, 2012)
Population Served: 364,000 (est.)
Source Water: Surface Water (Lake Huron, Lake Erie)
Drinking Water System Number: 260004917
Municipal Drinking Water Licence: 006-101

CONTACT INFO:
Owner:
Corporation of the City of London
300 Dufferin Avenue, London, Ontario N6A 4L9
Contact: Mr. John Simon, P.Eng. Division Manager Water Operations
519-661-2500 ext. 4938

London
CANADA

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Appendix 'A' – 2012 Annual Report

Appendix 'B' – 2012 Annual Report (Elgin-Middlesex Pumping Station – London Portion)

Appendix 'C' – 2012 Summary of Water Pumpage

Reporting Requirements

On February 28, 2013, a copy of the 2012 Annual Report for the City of London's water works was submitted to the local office of the Ministry of Environment (MOE) as a courtesy for information purposes. A copy of this Summary Report for the City of London Distribution System was also submitted, as a courtesy, to the local office of the MOE on March 15, 2013.

The Elgin-Middlesex Pumping Station (EMPS) (owned in part by the City of St. Thomas, the Town of Aylmer, and the City of London) was operated by American Water Canada Corporation (formerly American Water Services) from January 1, 2012 to July 1, 2012. From July 1, 2012 to December 31, 2012 the station was operated by the Ontario Clean Water Agency. The Annual Report for the EMPS (London portion) was attached as an appendix to London's Annual Report.

Schedule 22-2 of O. Reg. 170/03 requires that the City of London prepare a Summary Report for its water works system for the preceding calendar year and submit it to the members of the Municipal Council by March 31 of each year. This report, presented to Municipal Council's Civic Works Committee on March 18, 2013 serves to fulfill that requirement.

Ministry of Environment Annual Inspection

The Ministry of Environment commenced a focused inspection of the City of London's water system commencing on October 22, 2012. Operational and water quality records from January 1, 2012 through to the inspection date were requested and made available to the MOE Inspector. The inspection included a review of operational procedures, records of water sample analyses, and a review of the status of the certification and training for all of London's Water Operations staff. The Inspector spent several days inspecting the system facilities, reviewing records and interviewing staff.

The inspection determined that London's water system was being operated in accordance with all applicable regulations. All operators possessed the appropriate MOE Drinking Water Operator Certificates, all regulated water quality sampling during the period of January 1, 2012 through to October 22, 2012 was conducted, and all required reports to the MOE were submitted.

During the 2012 MOE Inspection of the City of London Water System, one issue of non-compliance was identified, which the MOE characterized as a "minor oversight", with no adverse impact on water quality. The MOE recognized that immediate steps were taken by Water Operations to make all staff fully aware of the proper procedures, and to ensure that this type of oversight will not be repeated.

A report on this MOE Inspection was made to the Civic Works Committee on February 4, 2013. For more information about this inspection or to review the report, it can be found at http://sire.london.ca/mtgviewer.aspx?meetid=437&doctype=AGENDA) .

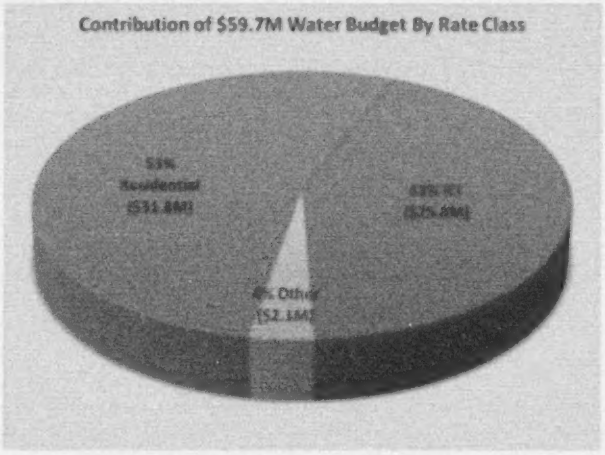
Water Operations Staff Complement and Training

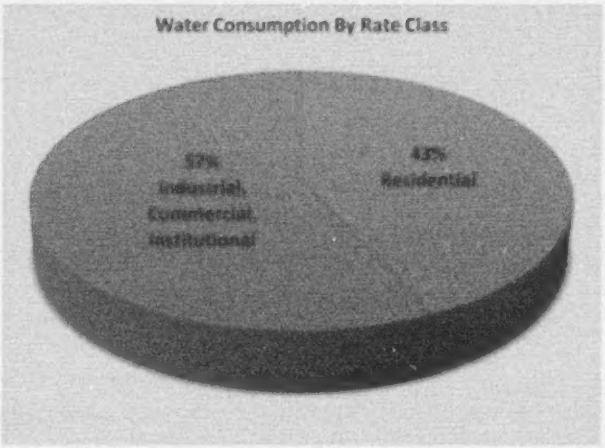
In 2012, the distribution system was operated and maintained by four (4) Water Supply staff, thirty-one (31) Operations and Maintenance staff, three (3) Water Works Inspectors, nine (9) Meter Shop staff, five (5) Supervisors, two (2) Technologists, two (2) Administrative staff, and four (4) Management staff. This complement does not include senior administrative staff that work in the Water Service Area. The majority of the City of London's operational and maintenance staff are based at the A.J. Tyler Operations Centre, located at 663 Bathurst Street. Water Supply staff are based out of the London Hydro building at 111 Horton Street.

All employees with Drinking Water Operator Certificates receive a minimum of 14 hours of Director-approved training and an additional 36 hours of practical, on-the-job training each year, as mandated by Regulation.

Water Budget

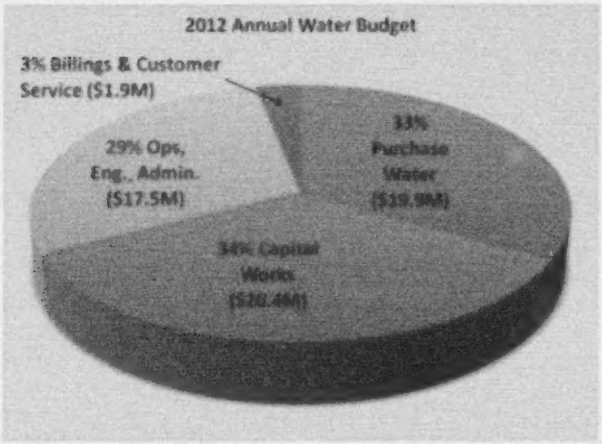
The 2012 Water Operating Budget was once again held at 0%, when adjusted to account for an increase in the cost to purchase water from the Regional Water System. This is the second consecutive 0% Operating increase. The 2012 Water Capital Budget received an increase of 8.0%, increasing the overall budget by $2.93 million to $59.7 million, which includes long term infrastructure renewal and replacement plans. The Water Budget helps maintain *London's Advantage* of a safe, clean and secure water supply for current and future generations of Londoners. London's aging water system infrastructure requires continuous renewal. In an effort to minimize financial impacts, recent investments have been directed towards new approaches and trenchless technologies, to ensure continued reliability of the water supply at an economical cost.





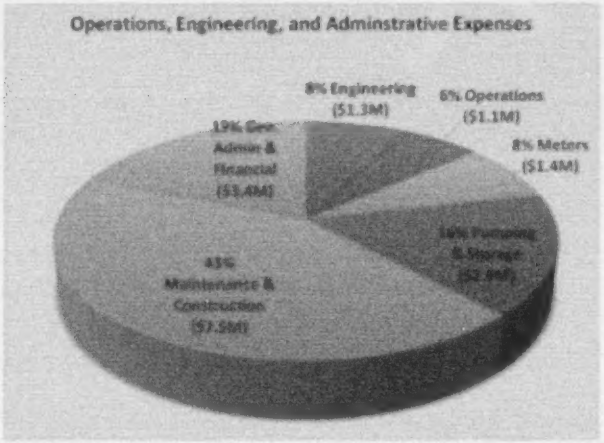
The 2012 average residential water consumption was 184.5 cubic metres, translating to a cost for water of approximately $24.99 per month, or about 82 cents per day. At this low cost, Londoners had access to a reliable, high quality supply of water to satisfy all their

water needs (drinking, food preparation, sanitation, showers, laundry, dishwashing, etc.). Public health, fire protection, economic development and convenience further enhance *London's* Advantage through the provision of this essential service.


2012 Annual Water Budget
3% Billings & Customer Service ($1.9M)
29% Ops, Eng., Admin. ($17.5M)
33% Purchase Water ($19.9M)
34% Capital Works ($20.4M)

Average household water usage in London continues to decline, and has declined nearly 25% since 2001. There are a number of factors responsible for this trend; and although this results in a negative impact on water revenues, the overall impact of water conservation is a positive trend towards *Conserving the Future*, and should be encouraged.

Working within budget limitations, the operational and capital works utilized a balanced approach toward the installation of new infrastructure in conjunction with the Growth Management Implementation Strategy, and the investment and renewal required to sustain the existing infrastructure. Reliable infrastructure and water system performance are not only key elements for economic development but also for quality-of-life and safety in the community. It is essential that proper funding of the water system is achieved and sustained in order to ensure that future generations are provided the same opportunity to a safe, clean and secure water supply.



Regulations, increasing standards and legislative obligations continued to require major investments in terms of staff time and financial resources. Staying abreast of regulatory developments and providing early input remains a key strategy in helping shape broader direction and control long term costs.

London's Water Service Area has maintained a relatively good financial position and continues to place London in the position of *Setting the Standard* as a utility with a secure and stable supply of high quality water. In the next few years, the water reserve funds are projected to be drawn down to a lower than normally acceptable level, and some debt is projected.

Ongoing Initiatives & Undertakings

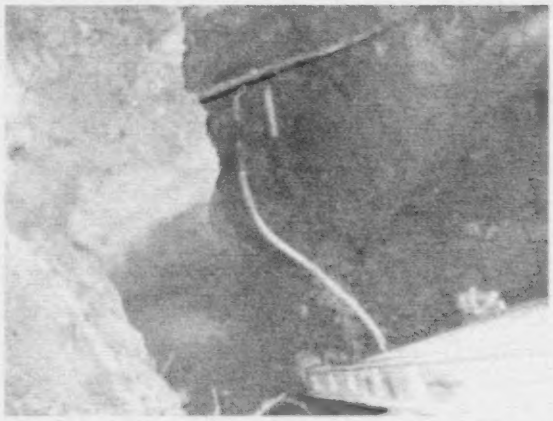
Lead Mitigation Strategy – In 2006, the City of London implemented a program that allows Londoners to have lead concentrations in their tap water analyzed at no charge. Since that time, over 11,500 homes and businesses had their water sampled for lead. There are approximately 110,000 water service pipes in London. Prior to 1953, lead was a commonly used material for water service pipes, and in 2007 it was estimated that 9,000 London water services were fully, or partially, composed of lead. The City of London's lead service replacement programs have reduced this number to just over 5,500 by the end of 2012.

The City of London developed a three-pronged strategy for lead mitigation:

1. *Education and Awareness*: In addition to free lead testing, the City of London continues to provide information to Londoners regarding lead service pipes and the risks associated with lead. Enviroworks flyers (inserted with London Hydro/City of London Water bills) have been dedicated to lead awareness, a detailed brochure was prepared and delivered in conjunction with the Middlesex-London Health Unit, multiple press releases dating back to 2006, and an informative website are all employed to communicate with Londoners regarding this important topic.

2. *Water Chemistry Changes*: In conjunction with the Lake Huron and Elgin Area Primary Water Supply Systems, the City of London has investigated and initiated water chemistry changes that have reduced the uptake of lead. Increasing the pH of the water has reduced "at the tap" lead concentrations by nearly 50% from 2007 levels. It is anticipated that this program will continue to reduce lead levels in drinking water over the long term while providing other benefits to system operations.

3. *Replacement of Lead Service Pipes*: London's overall goal is the replacement of all lead services. This is an 18-year program which anticipates replacement of approximately 500 lead services per year. The majority of these service replacements will occur through the Capital Watermain Replacement Program. The remainder will occur through the Watermain Relining Programs and one-off replacements through the City's Lead Service Extension Replacement Program.



Water Meter Replacement Program –London's water system has been fully metered since the 1920's when there were approximately 20,000 customers. There are currently over 110,000 customers with water meters installed in their homes and/or businesses. Meters are mechanical devices which wear-out as they register consumption. The more

consumption they measure, the less accurate they become over time. During the summer of 2008, randomly selected water meters, with varying amounts of measured consumption, were subjected to accuracy testing at low, medium and high flow consumption rates as per *AWWA Standard C700* and *AWWA Manual M6, Water Meters*. The results of the meter accuracy testing indicated that the life expectancy of a residential water meter was between 9 and 13 years (or 2,400 m^3 of consumption). This evaluation identified 51,000 water meters that were past due for replacement. It is estimated that older meters are costing the Water and Sewer Service Areas $630,000 per annum in unrealized revenue.

The Water Meter Replacement Program (WMRP) was initiated in 2009 after Council approval in December 2008. This strategy involved increasing the number of water meters replaced and installed from 5,000 per year to 10,000 per year. Another key factor of this strategy is the meter reading technology. Many of London's water meters were direct read (meaning the meter reader has to enter a customer's premise to read the meter) or rear yard remote read outs. These types of meters often result in estimated monthly bills due to non-access. The new water meter strategy took this into account and mandated all new and replacement meters to be radio read.

Through the deployment of new water metering technology and transitioning to a more automated system, the Water Service Area is reducing the meter reading costs. At the same time, customer's needs and requests are better met by:

- Allowing the City flexibility to select the best and most cost effective solution;
- Improving customer satisfaction through access to water usage data to handle billing disputes and customer inquiries;
- Improving the quality of our billing data with accurate and timely meter readings;
- Performing meter "right sizing" to ensure that the meter isn't over or under-sized, thus reducing metering inaccuracies and lost revenue;
- Reducing theft and revenue loss due to meter tampering;
- Effectively managing water conservation programs; and
- Decreasing water losses with proactive leak detection.

As of the end of 2012, more than 53,000 of the 110,000 water meters are radio read.

Water Efficiency: Large Diameter Concrete Pressure Pipe Watermain Inspection Program: Concrete Pressure Pipe (CPP) is a composite pipe manufactured using a thin steel cylinder wrapped in high tension wires, and coated internally and externally with cement mortar.

Over time the protective mortar can breakdown, exposing the steel cylinder and the pre-stressed wires to corrosion. As the pre-stressed wires corrode, some may break. If enough wires break, the pipe section may fail.

Significant failures of the Lake Huron Pipeline occurred In August 1983, June 1988, and March 2010, which threatened to leave the City without water. Fortunately the failures occurred outside of densely populated areas and were repaired by City crews in a timely fashion. There have never been any major failures of large concrete or concrete pressure pipes within the City of London; however, the age and construction practices for these watermains are similar to the Lake Huron Pipeline.

Within London, there are 160 km of large diameter concrete transmission mains moving millions of litres of water around the City. Some of these mains were constructed in the 1950's and 1960's and detailed inspection records outlining installation techniques and pipe integrity do not exist. The 19 km concrete watermain that connects the Arva Pumping Station with the Springbank Reservoirs is one of the most critical links in London's water system, and serves the majority of homes and businesses in London. In the summer and fall of 2007, three different inspections were undertaken on this pipe, as detailed below:

1. Leak Detection - provided a current condition of the pipe by determining if there are any leaks in the system.
2. Electromagnetic Inspection - provided a scientific analysis of the internal condition of the pre-stressed wires.
3. Visual Internal Inspection - determined if there is any breakdown in the internal concrete layer.

In addition, a fibre optic cable was floated inside nearly all of the 19 km from the Arva Pumping Station to the Springbank Reservoirs, providing the capability to continuously monitor the pre-stressed steel wires. The fibre optic cable registers an acoustic signature when a wire breaks, and immediate notification is sent to City staff. This real-time information received from the fibre will give staff the ability to react immediately, and prevent a potentially catastrophic pipe failure.

Water Efficiency: New Funding Model: The water and wastewater systems are customer owned and supported utilities. Water and sewer charges provide the revenue streams needed to sustain these utilities on a not-for-profit basis. City staff undertake the stewardship roles to ensure that the utilities are well managed and maintained for current and future generations. Total revenues for the two utilities are approximately $135,000,000 (2012 budget). On March 1, 2013, a new funding model was implemented. The previous model was based on formulae that varied depending on the type of customer (aggregated into classes), their water consumption, sanitary sewage generated and land area of their property. The previous rate structure was established more than 22 years ago for water, and 15 years ago for sanitary and stormwater rates. It had been identified as being one of the most complex rate structures in Ontario and contained inequities between customer classes and lacked consistency between the water and sewer customer classes and rate structures.

The new funding model provides for more stable revenues, ensures conservation, provides accommodation for low volume users and supports economic development while achieving sustainability sooner and at a lower cost to customers. It also ensures intergenerational equity between present and future rate payers.

The new funding model is structured in the following manner:

	Water	Sanitary	Storm Drainage
Volumetric Component	$ per cubic metre	$ per cubic metre	None
Fixed Component	Capital Renewal Charge Fire Protection Charge	Capital Renewal Charge	Flat Rate for small properties Area Rate for large properties

This model combines the residential inclining block structure with the ICI declining block structure. The premise of this model is that the true cost of infrastructure is related to how much water flows through the pipes to service the customers. The fixed charge covers the basic hard infrastructure and part of the volumetric rate covers the fixed operating and maintenance costs, while the variable costs are covered by the remaining volumetric rate. The initial blocks then pay for the total infrastructure costs and very high industrial users pay an incremental rate for cost of the water, pumping and treatment. The declining nature of the higher blocks reflects the proportionately lower cost to service larger volume users – economies of scale.

The main premise of the model, illustrating the total cost to a customer is that:

- fixed costs related to infrastructure renewal including fire protection are recovered as a fixed charge,
- fixed costs related to operation and maintenance of the infrastructure will continue to be collected as a volumetric charge based on pipe value to encourage conservation, and
- variable volumetric costs related to the treatment and pumping of the water/wastewater are shared equally among all customers.

Emerging Trends in Water Treatment & Regulations

Water Treatment: The City of London purchases its treated drinking water from the Joint Boards of Management (Lake Huron and Elgin Area Primary Water Supply Systems). The Joint Boards of Management, through the Regional Water Supply Division, stay abreast of emerging trends in water treatment and monitor upcoming Regulations. Current areas of interest include Microbiologicals (E. coli and Total Coliform), Disinfection By-Products (Trihalomethane (THM), Haloacetic Acids (HAA)), Lead and Copper, and Emerging Pathogens and Chemicals.

Currently, there are no water quality concerns requiring process modification at the Regional Water Supply treatment facilities. The area of emerging contaminants including pharmaceuticals and personal care products (PPCP's) and endocrine disruptors (EDC's) will be the focus of much research in the coming decades. At this time, there is no evidence to suggest that the Joint Board of Management should conduct further investigations into the implementation of advanced or enhanced treatment processes at either the Lake Huron or Elgin Area Treatment Plants.

For further information on emerging trends in water treatment and Regulations, please refer to the Lake Huron and Elgin Area Water Supply Systems Master Plans, which can be found at http://www.watersupply.london.ca/reports.html .

Standard of Care Provision in Ontario's Safe Drinking Water Act, 2002: On December 31, 2012, Section 19 of the *Safe Drinking Water Act, 2002* came into force. It imposed a statutory standard of care on the "owner of a municipal drinking water system, and every person who, on behalf of the municipality, oversees the accredited operating authority of the system or exercises decision-making authority over the system". This standard of care requires that such persons (a) exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation; and (b) act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system.

Actions that can be taken to satisfy the standard of care requirement include: obtaining and following proper expert advice, and ensuring that the water system is operated by an accredited operating authority. As has been previously reported to Council, the City of London Water Operations and Water Engineering Divisions have been recognized as an accredited operating authority for the City of London Water System.

For more information regarding the Standard of Care provision, a full report was presented to Civic Works Committee on October 22, 2012.

Safeguarding and Sustaining Ontario's Water Act: We continue to work with the Ontario Ministries of Environment and Natural Resources in the development of Regulations under the Safeguarding and Sustaining Ontario's Water Act; which addresses the obligations of the Great Lakes & St. Lawrence River Basin Water Resources Agreement with eight US States and the Provinces of Ontario and Quebec. In particular, Regulations with respect to intra-basin transfers have the potential to significantly and negatively impact a large area of southwestern Ontario by potentially limiting the amount of water which can be supplied from the Lake Huron system at present and in the future, likely resulting in the expenditure of hundreds of millions of dollars to replace capacity that is currently available. Meetings with the Ministries appear to have been fruitful in that current policy discussions and drafting of Regulations may allow London and area municipalities the ability to continue to utilize existing infrastructure to its full permitted capacity.

Algal Blooms in the Great Lakes: Algal blooms usually occur in the late summer and early fall. A bloom is a large mass of algae that is formed as a result of a number of ecosystem changes. These changes are brought about by an elevated presence of nutrients, invasive species such as quagga mussels, or light and temperature conditions that are favourable for the algae to multiply quickly.

There is more than one variety of algae. When alive they provide food for a variety of fish. When algae blooms die, some of the varieties release odorous chemicals into the water that can affect the taste and/or smell of our drinking water. Others, such as some types of blue-green algae (cyanobacteria), release toxins that can cause health issues for humans and animals. As such, algae blooms have the potential to negatively impact drinking water quality, recreational activities, tourism, commercial fisheries and lakeshore property values.

The Ministry of Environment has a protocol in place for responding to occurrences of blue-green algal blooms in Ontario lakes. MOE staff work closely with the local Medical Officers of Health to ensure that timely, appropriate action is taken. Local Medical Officers of Health address public health concerns with respect to blue-green algal

blooms, and communicate with consumers and drinking water system owners within their area.

A survey conducted by ministry staff for cyanobacterial toxins at 18 drinking water facilities from 2004 to 2010, suggests that water treatment plants have been effective at removing or inactivating these toxins in drinking water.

The recurrence of algal blooms in certain areas of the Great Lakes, such as Lake Erie, has prompted discussions with the International Joint Commission, federal, state and other Provincial governments as well as non-government bodies to improve the ecological conditions of our Great Lakes.

A.U.G. Signals Research Partnership: A.U.G. Signals Ltd. (Airborne Underwater Geophysical Signals) specializes in signal, image and data processing, with most of their technologies having been applied to, and validated by, military systems.

A.U.G. has utilized spectrophotometric sensors to create the TRITON Intelligent Water Surveillance Monitor. The TRITON monitors are designed to provide online, real-time, 24/7 detection and quantification of water contaminants in municipal drinking-water distribution systems.

In order to validate and demonstrate the functionality of their technology, A.U.G. and the City of London have entered a 3 year pilot project partnership to install TRITON monitors in an actual water distribution system creating "Intelligent Drinking Water Monitoring Systems" (IDWMS).

The objective of the 3-year A.U.G./City of London partnership is to create a pilot demonstration of the IDWMS in the City of London. As such, City of London and AUG have agreed to work to achieve the following:

1. To deploy the IDWMS at seven (7) selected locations within the City of London;
2. To setup a Command and Control Centre in the City of London;
3. To train City of London personnel on system operation and data interpretation;
4. To validate the system in the City of London; and,
5. To demonstrate the system to other municipalities and the media.

Ontario Ministry of Economic Development and Innovation (MEDI) has provided A.U.G. with a forgivable loan, covering 50% of eligible project costs. The City of London would also incur some costs through its participation in the project, primarily labour costs for staff involvement. A.U.G. will reimburse the City of London for 50% of the eligible expenses incurred by the City of London, up to $50,000.

During the 3-year trial, the City of London would continue to use existing technology to meet its regulated monitoring and reporting requirements.

In 2011, London received approximately $6 million in funding to help establish clean water technologies through the Southern Ontario Water Consortium (SOWC). The International Water Excellence Centre (IWCE) being established in London is a partnership of the City of London, Western University, the London Economic Development Corporation (LEDC) and private sector partners Trojan Technologies and Purifics. The IWCE will be London's node in the SOWC. The Centre will make London the leading site for industrial water treatment technology commercialization, validation and testing in Canada. The Memorandum of Understanding between the City of London

and A.U.G. allows for the possible inclusion of A.U.G.'s "Intelligent Drinking Water Monitoring System" within the IWCE.

OnWARN: Ontario Water/Wastewater Agency Response Network: This initiative, based upon the principle of "*Utilities helping Utilities*", has gained momentum throughout the water utility sector in Ontario, Canada and the United States, as a means of providing voluntary mutual-aid to similar utilities within a region. The OnWARN program establishes a legal framework whereby any subscribing utility can call upon the assistance of other subscribing utilities, with the response being provided within the context of a blanket "mutual aid" type of agreement. The blanket agreement covers all aspects of legal liability, availability of response and the provision of services, and health and safety requirements, to name a few.

Participation in the OnWARN program does not specifically require a subscribing municipality to respond to any and all calls for assistance, nor does it obligate a subscribing municipality to call upon all subscribers for assistance in the event of an emergency. It also does not require a municipality to formally declare a state of emergency, only that the water or wastewater related circumstance is beyond the capabilities of the municipality.

Recognizing the significant benefit of joining OnWARN and improving emergency preparedness for the City's water and wastewater services, staff submitted a report to Civic Works Committee, on February 25, 2013, to seek Council's authorization for the Mayor and Clerk to execute an Agreement to join OnWARN.

Sampling & Water Quality Monitoring

During 2012, staff conducted water sampling from the distribution system which exceeded the MOE's minimum requirements. On average, staff take 180 samples monthly, from 57 standard locations across the City; testing for microbiological indicators and chlorine residuals. In addition, analysis is performed for up to 137 parameters, including organics, inorganics, pesticides and metals at 13 standard locations around the City. 7,838 routine grab samples were taken from the distribution system, 1,354 samples taken from the stand-by wells, as well as over 2,376 chlorine residual tests conducted by London staff. London also has 10 locations throughout the city where continuous in-line sampling of chlorine residual is monitored. Staff also perform approximately 4,000 chlorine tests (on the Distribution System and for Construction Projects and Bacteriological sampling upon repairs undertaken) each year that are not included in the above numbers. All of these efforts help ensure that the water within the distribution system is always of high quality.

Below is the historical range (since 2000) of sample results for London's drinking water.

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
REGULATED INORGANICS						
Antimony	6	0.02	µg/L	0.100 - 0.140	No	0.020 - 1.200
Arsenic	25	0.2	µg/L	0.300 - 0.700	No	0.001 - 2.000
Barium	1000	0.05	µg/L	14.600 - 22.700	No	0.015 - 25.000
Boron	5000	1	µg/L	15.000 - 21.000	No	0.020 - 40.000
Cadmium	5	0.003	µg/L	0.003 - 0.003	No	0.002 - 0.100
Chromium	50	0.5	µg/L	0.500 - 0.500	No	0.004 - 3.000
Fluoride	1.5	0.06	mg/L	0.090 - 0.970	No	0.030 - 1.390
Free Chlorine Residual	--	--	mg/L	0.080 - 1.990	No	0.000 - 1.990
Lead	10	0.02	µg/L	0.030 - 0.380	No	0.002 - 1.070
Mercury	1	0.02	µg/L	0.020 - 0.020	No	0.000 - 0.100
Selenium	10	1	µg/L	0.100 - 1.000	No	0.005 - 3.000
Sodium[3]	20*	0.01	mg/L	1.000 - 10.000	No	1.000 - 12.000
Uranium	20	0.001	µg/L	0.032 - 9.700	No	0.001 - 9.700

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
REGULATED ORGANICS						
Alachlor	5	0.020	µg/L	0.020 <MDL	No	0.002 - 0.200
Aldicarb	9	0.010	µg/L	0.010 <MDL	No	0.005 - 5.000
Aldrin + Dieldrin	0.7	0.010	µg/L	0.010 <MDL	No	0.000 - 0.067
(Aldrin)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.060
(Dieldrin)	--	0.010	µg/L	0.010 <MDL	No	0.001 - 0.067
Atrazine	--	0.020	µg/L	0.020 - 0.090	No	0.020 - 0.130
Atrazine + N-dealkylated metabolites	5	0.040	µg/L	0.030 - 0.120	No	0.003 - 0.500
Azinphos-methyl	20	0.020	µg/L	0.020 <MDL	No	0.010 - 1.000
Bendiocarb	40	0.010	µg/L	0.010 <MDL	No	0.010 - 1.000
Benzene	5	0.32	µg/L	0.320 <MDL	No	0.005 - 0.400
Benzo(a)pyrene	0.01	0.004	µg/L	0.004 <MDL	No	0.000 - 0.009
Bromoxynil	5	0.33	µg/L	0.330 <MDL	No	0.003 - 0.330
Carbaryl	90	0.010	µg/L	0.010 <MDL	No	0.010 - 1.000
Carbofuran	90	0.010	µg/L	0.010 <MDL	No	0.005 - 5.000
Carbon tetrachloride	5	0.16	µg/L	0.160 <MDL	No	0.005 - 0.410
Chlordane (Total)	7	0.010	µg/L	0.010 <MDL	No	0.000 - 0.200
(a-chlordane)	--	0.010	µg/L	0.010 <MDL	No	0.007 - 0.200
(g-chlordane)	--	0.010	µg/L	0.010 <MDL	No	0.007 - 0.200
(oxychlordane)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.360
Chlorpyrifos	90	0.020	µg/L	0.020 <MDL	No	0.008 - 5.000
Cyanazine	10	0.030	µg/L	0.030 <MDL	No	0.008 - 0.500
Diazinon	20	0.020	µg/L	0.020 <MDL	No	0.002 - 2.000
Dicamba	120	0.20	µg/L	0.200 <MDL	No	0.050 - 10.000
1,2-Dichlorobenzene	200	0.41	µg/L	0.410 <MDL	No	0.003 - 1.000
1,4-Dichlorobenzene	5	0.36	µg/L	0.360 <MDL	No	0.001 - 0.400
DDT + Metabolites	30	0.010	µg/L	0.010 <MDL	No	0.005 - 0.500
(op-DDT)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.500
(pp-DDD)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.500
(pp-DDE)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.500
(pp-DDT)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.500
1,2-Dichloroethane	5	0.35	µg/L	0.350 <MDL	No	0.005 - 0.430
1,1-Dichloroethylene	14	0.33	µg/L	0.330 <MDL	No	0.005 - 0.520
Dichloromethane	50	0.35	µg/L	0.350 <MDL	No	0.005 - 3.000
2,4-dichlorophenol	900	0.15	µg/L	0.150 <MDL	No	0.000 - 0.150
2,4-D	100	0.19	µg/L	0.190 <MDL	No	0.044 - 5.000
Dichlofop-methyl	9	0.40	µg/L	0.400 <MDL	No	0.005 - 0.840
Dimethoate	20	0.030	µg/L	0.030 <MDL	No	0.005 - 1.000
Dinoseb	10	0.36	µg/L	0.360 <MDL	No	0.005 - 0.500
Diquat	70	1	µg/L	1.000 <MDL	No	1.000 - 70.000
Diuron	150	0.030	µg/L	0.030 <MDL	No	0.030 - 0.660
Glyphosate	280	6	µg/L	6.000 <MDL	No	0.010 - 10.000
Heptachlor + Heptachlor Epoxide	3	0.010	µg/L	0.010 <MDL	No	0.001 - 0.300
(heptachlor)	--	0.010	µg/L	0.000 - 0.010	No	0.010 - 0.300
(heptachlor epoxide)	--	0.010	µg/L	0.010 <MDL	No	0.010 - 0.300
Lindane (Total)	4	0.010	µg/L	0.010 <MDL	No	0.002 - 0.200
Malathion	190	0.020	µg/L	0.020 <MDL	No	0.020 - 5.000
Methoxychlor	900	0.010	µg/L	0.010 <MDL	No	0.010 - 5.000
Metolachlor	50	0.020	µg/L	0.010 - 0.040	No	0.008 - 5.000
Metribuzin	80	0.020	µg/L	0.020 <MDL	No	0.020 - 5.000
Monochlorobenzene	80	0.30	µg/L	0.300 <MDL	No	0.005 - 5.000
Paraquat	10	1	µg/L	1.000 <MDL	No	0.010 - 9.000
Parathion	50	0.020	µg/L	0.020 <MDL	No	0.020 - 1.200
Pentachlorophenol	60	0.15	µg/L	0.150 <MDL	No	0.001 - 1.000

Parameter	ODWS[1] Maximum Acceptable Concentration	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedance in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
REGULATED ORGANICS CONTINUED						
Phorate	2	0.010	µg/L	0.010 <MDL	No	0.001 - 0.730
Picloram	190	0.25	µg/L	1.000 <MDL	No	0.043 - 5.000
Polychlorinated Biphenyls (PCBs)	3	0.04	µg/L	0.040 <MDL	No	0.001 - 0.100
Prometryne	1	0.030	µg/L	0.030 <MDL	No	0.001 - 0.230
Simazine	10	0.010	µg/L	0.010 <MDL	No	0.005 - 0.500
Temephos	280	0.010	µg/L	0.010 <MDL	No	0.010 - 15.000
Terbufos	1	0.010	µg/L	0.010 <MDL	No	0.001 - 0.730
Tetrachloroethylene	30	0.35	µg/L	0.000 - 0.350	No	0.005 - 1.000
2,3,4,6-tetrachlorophenol	100	0.14	µg/L	0.000 - 0.140	No	0.001 - 0.500
Triallate	230	0.10	µg/L	0.010 <MDL	No	0.010 - 5.000
Trichloroethylene	50	0.43	µg/L	0.440 <MDL	No	0.005 - 1.000
2,4,6-trichlorophenol	5	0.25	µg/L	0.250 <MDL	No	0.001 - 0.890
2,4,5-T	280	0.22	µg/L	0.220 <MDL	No	0.005 - 5.000
Trifluralin	45	0.020	µg/L	0.020 <MDL	No	0.020 - 1.000
Vinyl Chloride	2	0.17	µg/L	0.000 - 0.170	No	0.002 - 0.170

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
NITRATES						
Nitrate (as nitrogen)	10	0.013	mg/L	0.005 - 0.342	No	0.005 - 1.700
Nitrate + Nitrite (as nitrogen)	10	0.013	mg/L	0.005 - 0.342	No	0.005 - 1.700
Nitrite (as nitrogen)	1	0.005	mg/L	0.005 - 0.129	No	0.005 - 0.129

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
TRIHALOMETHANES						
Trihalomethanes (total)	100	0.37	µg/L	12.000 - 44.000	No	0.010 - 57.000
Bromoform	–	0.34	µg/L	0.200 - 0.340	No	0.002 - 2.000
Chloroform	–	0.29	µg/L	4.800 - 28.000	No	0.002 - 39.000
Dibromochloromethane	–	0.37	µg/L	2.400 - 4.600	No	0.002 - 5.400
Bromodichloromethane	–	0.26	µg/L	4.300 - 11.000	No	0.002 - 12.000

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL)	Units	Measured Concentrations	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
		2012		2012		
MICROBIOLOGICAL						
E. Coli	0	0	CFU/100mL	0 - 1	No	0 - 1
Total Coliform	0	0	CFU/100mL	0 - 41	Yes	0 - 41
Heterotrophic Plate Count	–	10	cfu/1mL	10 - 2000	No	10 - 2000

Parameter	ODWS[1] Maximum Acceptable Concentration (MAC)	Lab's Method Detection Limit (MDL) 2012	Units	Measured Concentrations 2012	MAC Exceedence in 2012 (Y/N)	Historical Measured Concentration Range[2]
NON-REGULATED INORGANICS/ORGANICS[4]						
Alkalinity	--	2	mg/L as CaCO3	75.000 - 82.000	No	61.000 - 90.000
Aluminum	--	0.2	µg/L	39.800 - 58.500	No	0.030 - 436.0
Ammonia+Ammonium (N)	--	0.04	mg/L	0.040 - 0.040	No	0.040 - 0.400
Calcium	--	0.03	mg/L	26.600 - 34.000	No	25.800 - 38.000
Chloride	--	0.03	mg/L	8.900 - 19.000	No	7.200 - 36.100
Cobalt	--	0.002	µg/L	0.017 - 0.050	No	0.004 - 0.300
Colour	--	3	TCU	3.000 - 3.000	No	3.000 - 13.000
Conductivity	--	1	uS/cm	240.0 - 290.0	No	205.0 - 313.0
Copper	--	0.5	µg/L	4.000 - 7.400	No	1.300 - 64.000
Cyanide	0.2	0.002	mg/L	0.002 - 0.002	No	0.002 - 0.010
De-ethylated atrazine	--	0.010	µg/L	0.010 - 0.030	No	0.010 - 0.140
Dissolved Organic Carbon	--	0.2	mg/L	1.500 - 1.900	No	0.400 - 2.200
Ethylbenzene	--	0.33	µg/L	0.330 - 0.330	No	0.002 - 1.000
Field pH	--	--	units	N/A - N/A	N/A	6.660 - 8.600
Gross Alpha	--	0.100	Bq/l	N/A - N/A	N/A	0.100 - 0.100
Gross Beta	--	0.100	Bq/l	N/A - N/A	N/A	0.100 - 0.100
Hardness	--	0.1	mg/L as CaCO3	98 - 120.0	No	95.000 - 133.0
Iron	--	2.000	µg/L	3.000 - 27.000	No	2.000 - 90.000
Langelier's index	--	0.000	@ 20 C	-0.380 - -0.310	No	-1.070 - -0.130
mtp-xylene	--	0.39	µg/L	0.390 - 0.390	No	0.390 - 5.000
Magnesium	--	0.003	mg/L	7.770 - 8.550	No	7.150 - 9.400
Manganese	--	0.01	µg/L	0.250 - 5.110	No	0.001 - 168.0
Nickel	--	0.1	µg/L	0.600 - 0.900	No	0.3 - 1.4
Nitrogen-Kjeldahl (N)	--	0.05	mg/L	0.070 - 0.100	No	0.050 - 0.500
Organic Nitrogen	--	0.05	mg/L	0.070 - 0.070	No	0.040 - 0.340
o-xylene	--	0.17	µg/L	0.170 - 0.200	No	0.170 - 5.000
pH	--	0.05	no unit	7.850 - 7.920	No	7.080 - 8.110
Potassium	--	0.01	mg/L	1.070 - 1.680	No	0.940 - 1.910
Silica	--	0.01	mg/L	1.060 - 1.540	No	0.590 - 2.1
Silver	--	0.01	µg/L	0.010 - 0.010	No	0.003 - 0.100
Solids (Total Dissolved)	--	30	mg/L	131.0 - 149.0	No	1.460 - 206.0
Sulphate	--	0.06	mg/L	28.000 - 32.000	No	27.000 - 55.000
Sulphide	--	0.004	mg/L	0.005 - 0.015	No	0.004 - 4.000
Surr 1,2-Dichloroethane-d4	--	--	mg/L	104.00 - 105.00	No	104.00 - 105.00
Surr 4-Bromofluorobenzene	--	--	Surr Rec %	97.000 - 99.000	No	97.000 - 99.000
Surr Decachlorobiphenyl	--	--	%	94.000 - 95.000	No	94.000 - 95.000
Toluene	--	0.38	µg/L	0.360 - 0.360	No	0.005 - 1.000
Total Chlorine	--	0.550	mg/L	0.000 - 0.000	No	0.520 - 1.800
Total Phosphorus	--	0.02	mg/L	0.020 - 0.020	No	0.020 - 0.070
Toxaphene	--	5.000	µg/L	5.000 - 5.000	No	0.010 - 5.000
2,4,5-TP (Silvex)	--	0.130	µg/L	0.100 - 0.130	No	0.010 - 5.000
Tritium	7000	15.0	Bq/l	N/A - N/A	N/A	15 - 15
Turbidity	1	0.13	NTU	0.230 - 0.330	No	0.030 - 0.500
Xylene, total	--	0.39	µg/L	0.390 - 0.390	No	0.005 - 5.000
Zinc	--	1	µg/L	4.000 - 4.000	No	0.300 - 100.0

[1] ODWS - Ontario Drinking Water Standards

[2] Historical range goes back to 2000

[3] Sodium is regulated to be tested every 60 months

[4] The City of London consistently goes beyond the minimum testing requirements of the ODWS and samples these parameters as well

There were five (5) adverse microbiological results out of 2,468 samples taken; all due to unacceptable levels of Total Coliform bacteria (one with a combination of unacceptable E. Coli and Total Coliform). In each case, standard response procedures were enacted. All sites were re-sampled immediately, and the re-sample results revealed no adverse indicators.

It is highly unlikely that there were 'actual' water quality issues at these sites, as the five adverse samples were identified as having free chlorine residuals which were well above the minimum acceptable level at the time of the sampling (ranging between 0.26 to 0.72 mg/L). Coliform bacteria cannot survive in chlorinated water; therefore, it is suspected that post-sampling contamination occurred. The re-sampling results support this conclusion. The microbiological testing procedure is extremely sensitive. Accidental sample contamination can occur through operator or laboratory error, despite the specific procedures and precautions adhered to.

System Statistics and Major Events

During the period from January 1, 2012 through to December 31, 2012 a total of 48,493,521,000 litres of water were purchased from the Joint Water Boards and subsequently pumped into London via the Arva Pumping Station and EMPS. Average day demand was 131,723,230 litres. Peak day pumpage of 185,876,000 litres occurred on July 12, 2012.

A summary of system pumpage can be found in the PDF version of this report that has been provided to members of Council. The data includes monthly average and maximum daily flows. These values are also compared to the rated flow rate capacities identified in London's Municipal Drinking Water Licence. There were no occurrences of flow rate exceedance during the specified time period.

Listed below are some 2012 statistics for the City of London Distribution System.

Approximate Replacement Value of Drinking Water System	**$1,800,000,000**
Number of Pumping Stations	**7**
Number of Fire Hydrants	**8,664**
Number of Watermain Valves	**12,405**
Total Number of Water Services	**110,485**
ICI Water Services	9,748
Residential Water Services	100,737
Length of Watermain	**1,555 km**
Length of New Watermain Installed	12 km
Length of Watermain Replaced	7.2 km
Length of Watermain Rehabilitated	5.7 km
Number of Watermain Breaks	**104**

Municipalities Receiving London Water

In the Municipality of Middlesex Centre, Arva Village, Ballymote, and Delaware continued to receive their drinking water under contract from the City of London during 2012. The Municipality of Middlesex Centre has been provided a copy of the Annual Report as per O. Reg 170/03.

Several residences within Central Elgin also continued to receive drinking water from the transmission watermain that supplies the City of London from the EMPS. For this reason, Central Elgin has also been provided a copy of the report.

Appendix 'A'
2012 Annual Report
(London)

Drinking-Water System Number:	260004917
Municipal Drinking-Water Licence:	006-101
Drinking-Water System Name:	London Water Supply
Drinking-Water System Owner:	The Corporation of the City of London
Drinking-Water System Category:	Large Municipal Residential System
Period being reported:	January 1, 2012 to December 31, 2012

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [✓] No [ ]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [✓] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

City of London – City Hall
Customer Service Division – 8th Floor
(Public Service Information Area)
300 Dufferin Avenue, London, ON

Complete for all other Categories.

Number of Designated Facilities served:
N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to:
N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Middlesex Centre Distribution System	260004202
Includes: Arva Waterworks	260004202
Ballymote Waterworks	260004202
Delaware Distribution System	260063323

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?
Yes [✓] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

[✓] Public access/notice via the web
[✓] Public access/notice via Government Office
[ ] Public access/notice via a newspaper
[ ] Public access/notice via Public Request
[ ] Public access/notice via a Public Library
[✓] Public access/notice via other method _EnviroWorks Pamphlet__

Describe your Drinking-Water System

There are two water supplies in the City of London: primary sources of surface water and emergency back-up sources of well water in stand-by mode.

1. Primary Treated Water Sources (surface water)
   - Lake Huron Primary Water Supply System (LHPWSS)
   - Elgin Area Primary Water Supply System (EAPWSS)

2. Stand-by Emergency Wells
   - Fanshawe Well Field (6 Wells) – GUDI with in-situ filtration
   - Hyde Park Well – Not GUDI

During 2012 the London-Elgin-Middlesex Booster Station was operated a designated Operating Authority those being, American Water Services from January 1 through to July 1, and Ontario Clean Water Agency from July 1 through December 31. The annual report for the London-Elgin-Middlesex Booster Station is being provided under this cover as an appendix.

List all water treatment chemicals used over this reporting period

- Liquid Chlorine
- Sodium Hypochlorite
- Fluorosilicic Acid (hydrofluorosilicic acid)

Were any significant expenses incurred to?

[✓] Install required equipment
[ ] Repair required equipment
[✓] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Installing acoustic monitoring fibre optic cable into the major Trunk Transmission Main from Arva Pumping Station through to the Springbank Reservoir. This project will span several years to complete as it is being done in stages..

Southeast Reservoir and Pumping Station continues construction. Project funding is a joint effort between Federal, Provincial, and Municipal governments and is part of the larger H.E.L.P. Clean Water initiative.

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre.

Bacteriological Adverse							
				Parameters			
Adverse Incident Date	Corrective Action	Corrective Action Date	Adverse Water Quality Indicator # (AWQI #)	E.Coli (cfu/100ml)	Total Coliform (cfu/100ml)	HPC (cfu/1ml)	Free Cl2 (mg/L)
2012-01-18 [1]			104756	0	16	<10	0.64
	Resample	19/Jan/12		0	0	<10	0.55
2012-05-17 [2]			106027	0	1	<10	0.72
	Resample	18/May/12		0	0	<10	0.73
2012-08-15 [3]			107945	0	1	<10	0.51
	Resample	16/Aug/12		0	0	<10	0.48
2012-08-22 [4]			108112	1	1	<10	0.26
	Resample	23/Aug/12		0	0	<10	0.33
	Resample	25/Aug/12		0	0	<10	0.27
2012-09-06 [5]			108343	0	41	90	0.41
	Resample	7/Sep/12		0	0	<10	0.88

Notes:

[1]685 Chiddington Avenue (City Wide Sampling Site): Adverse Result: Total Coliform > 0
Corrective Action: Resampled original site. Resample results had no indicators of adverse drinking water quality.

[2]603 Wonderland Road South (Monthly Sampling Location - Westmount Pumping Station): Adverse Result: Total Coliform > 0
Corrective Action: Resampled original site. Resample results had no indicators of adverse drinking water quality.

[3]657 Steeplechase Drive (City Wide Sampling Site): Adverse Result: Total Coliform > 0
Corrective Action: Resampled original site. Resample results had no indicators of adverse drinking water quality.

[4]Bradish Road at Glanworth Drive (Hydrant): Adverse Result: Total Coliform > 0, E. Coli > 0
Corrective Action: Resampled original site. Resample results had no indicators of adverse drinking water quality.

[5]570 Grosvenor Street (Hydrant): Adverse Result: Total Coliform > 0
Corrective Action: Resampled original site. Resample results had no indicators of adverse drinking water quality.

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	# of E. Coli Samples Taken	Range of E. Coli (cfu/100mL)	# of Total Coliform Samples Taken	Range of Coliform (cfu/100mL)	# of HPC Samples	Range of HPC (cfu/1mL)
Raw	21	0 - 0	21	0 - 1	21	<10 - 120
Treated	N/A	N/A	N/A	N/A	N/A	N/A
Distribution	2468	0 - 1	2468	0 - 41	2456	<10 - 2000

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	# of Grab Samples	Continuous Monitoring	Range of Results
Turbidity			
Distribution	2	N/A	0.23 - 0.33 NTU
Raw	27	N/A	0.12 - 2.60 NTU
Lead	2	N/A	0.03 - 0.38 ug/L
Field pH	22	N/A	7.82 - 8.18
Alkalinity	22	N/A	69.0 - 96.0 mg/L as $CaCO_3$
Chlorine	2376	87600	0.08 - 1.99 mg/L
Fluoride	104	8424	0.09 - .97 mg/L

NOTE: For continuous monitors use 8760 as the number of samples.

As outlined below, sampling was carried out in accordance with the requirements listed in the City of London's 2010 Drinking Water Licence for inorganic and organic parameters at the following sites: Fanshawe Wells (No. 1 through No. 6) and Hyde Park Well.

SITE: Hyde Park Well - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.06	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.4	ug/L	N
December 17, 2010	Barium	12/Jun/12	130	ug/L	N
December 17, 2010	Boron	12/Jun/12	35	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.004	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.23	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.2	mg/L	N
December 17, 2010	Fluoride	24/Sep/12	0.23	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.77	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	3.03	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	2.87	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	24/Sep/12	3	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	2.7	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	3.03	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	2.87	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	24/Sep/12	3	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	2.7	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	24/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium	12/Jun/12	56.1	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.574	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.2 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Met	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.4 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.3 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	1.1	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.26 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	1.1	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	260	g/L as CaCO	N
December 17, 2010	Alkalinity	12/Jun/12	281	g/L as CaCO	N
December 17, 2010	Alkalinity	24/Sep/12	266	g/L as CaCO	N
December 17, 2010	Aluminum	12/Jun/12	7.9	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.08	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	24/Sep/12	0.16	mg/L	N
December 17, 2010	Calcium	6/Mar/12	108	mg/L	N
December 17, 2010	Calcium	12/Jun/12	100	mg/L	N
December 17, 2010	Calcium	24/Sep/12	99.9	mg/L	N
December 17, 2010	Chloride	6/Mar/12	110	mg/L	N
December 17, 2010	Chloride	12/Jun/12	110	mg/L	N
December 17, 2010	Chloride	24/Sep/12	110	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.09	ug/L	N
December 17, 2010	Colour	6/Mar/12	3 <MDL	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	24/Sep/12	3 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	911	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	927	uS/cm	N
December 17, 2010	Conductivity	24/Sep/12	947	uS/cm	N
December 17, 2010	Copper	12/Jun/12	4.7	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	24/Sep/12	0.002 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	1 <MDL	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	2	mg/L	N
December 17, 2010	Dissolved Organic Carbon	24/Sep/12	2.9	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Hardness	6/Mar/12	382	g/L as CaCO	N
December 17, 2010	Hardness	12/Jun/12	356	g/L as CaCO	N
December 17, 2010	Hardness	24/Sep/12	355	g/L as CaCO	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.016	mg/L	N
December 17, 2010	Hydrogen Sulphide	24/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	17	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.85	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	1.03	@20C	N
December 17, 2010	Langelier`s Index	24/Sep/12	1.13	@20C	N
December 17, 2010	Magnesium	6/Mar/12	27.1	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	25.6	mg/L	N
December 17, 2010	Magnesium	24/Sep/12	25.6	mg/L	N
December 17, 2010	Manganese	12/Jun/12	1.4	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.9	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.05 <MDL	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.05 <MDL	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	24/Sep/12	0.35	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.05 <MDL	mg/L	N

December 17, 2010	Organic Nitrogen	12/Jun/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	24/Sep/12	0.19	mg/L	N
December 17, 2010	pH	6/Mar/12	8.06	no unit	N
December 17, 2010	pH	12/Jun/12	8.24	no unit	N
December 17, 2010	pH	24/Sep/12	8.37	no unit	N
December 17, 2010	Phosphorus	24/Sep/12	0.01 <MDL	mg/L	N
December 17, 2010	Potassium	6/Mar/12	2.33	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.42	mg/L	N
December 17, 2010	Potassium	24/Sep/12	2.17	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	12.3	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	12.6	mg/L	N
December 17, 2010	Reactive Silica	24/Sep/12	12.8	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	577	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	557	mg/L	N
December 17, 2010	Solids (Total Dissolved)	24/Sep/12	566	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	42	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	41	mg/L	N
December 17, 2010	Sulphate	24/Sep/12	41	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.2	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	24/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature	6/Mar/12	22	C	N
December 17, 2010	Temperature	24/Sep/12	21.2	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	24/Sep/12	0.04	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	0.4	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.19	NTU	N
December 17, 2010	Turbidity	24/Sep/12	0.72	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	32	ug/L	N

SITE: Fanshawe Well #1 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.04	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	1	ug/L	N
December 17, 2010	Barium	12/Jun/12	41.8	ug/L	N
December 17, 2010	Boron	12/Jun/12	67	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.014	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.11	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.14	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.11	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.38	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	1.1	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.876	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	1	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.969	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	1.1	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.876	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	1	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.969	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	20.7	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.552	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.320 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.160 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.200 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.410 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Met	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.800	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.190 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.400 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6.000 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.010 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.300 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.040 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.140 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.440 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.250 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.220 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.260 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.340 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.290 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.170 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	279	mg/L as CaCO3	N
December 17, 2010	Alkalinity	12/Jun/12	289	mg/L as CaCO3	N
December 17, 2010	Alkalinity	11/Sep/12	274	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	6.4	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.12	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.23	mg/L	N
December 17, 2010	Azoxystrobin	12/Jun/12	ND	ppb	N
December 17, 2010	Calcium	6/Mar/12	115	mg/L	N
December 17, 2010	Calcium	12/Jun/12	107	mg/L	N
December 17, 2010	Calcium	11/Sep/12	108	mg/L	N
December 17, 2010	Chloride	6/Mar/12	52	mg/L	N
December 17, 2010	Chloride	12/Jun/12	50	mg/L	N
December 17, 2010	Chloride	11/Sep/12	53	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.138	ug/L	N
December 17, 2010	Colour	6/Mar/12	3 <MDL	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	796	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	762	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	789	uS/cm	N
December 17, 2010	Copper	12/Jun/12	2.2	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.002 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	1.5	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	3.7	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	1.3	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Fludioxonil	12/Jun/12	ND	ppb	N
December 17, 2010	Hardness	6/Mar/12	387	mg/L as CaCO3	N
December 17, 2010	Hardness	12/Jun/12	363	mg/L as CaCO3	N
December 17, 2010	Hardness	11/Sep/12	366	mg/L as CaCO3	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	100	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.63	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.96	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.94	@20C	N
December 17, 2010	Magnesium	6/Mar/12	24	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	23	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	23.3	mg/L	N
December 17, 2010	Manganese	12/Jun/12	12.1	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.5	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.05 <MDL	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.05 <MDL	mg/L	N

December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.08	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.05	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.05 <MDL	mg/L	N
December 17, 2010	pH	6/Mar/12	7.78	no unit	N
December 17, 2010	pH	12/Jun/12	8.12	no unit	N
December 17, 2010	pH	11/Sep/12	8.12	no unit	N
December 17, 2010	Phosphorus	11/Sep/12	0.01 <MDL	mg/L	N
December 17, 2010	Potassium	6/Mar/12	2.33	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.36	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.25	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	8.5	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	7.85	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	8.79	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	466	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	454	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	486	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	54	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	47	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	50	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature@pH	6/Mar/12	22	C	N
December 17, 2010	Temperature@pH	11/Sep/12	22.3	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	2.1	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.71	NTU	N
December 17, 2010	Turbidity	23/May/12	0.24	NTU	N
December 17, 2010	Turbidity	11/Sep/12	0.96	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	5	ug/L	N

SITE: Fanshawe Well #2 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.07	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.6	ug/L	N
December 17, 2010	Barium	12/Jun/12	39.7	ug/L	N
December 17, 2010	Boron	12/Jun/12	43	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.009	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.14	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.19	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.15	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.41	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.067	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.215	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	0.2	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.081	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.067	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.215	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	0.2	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.081	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	22.5	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.579	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.320 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.160 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.200 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.410 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.770	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.190 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.400 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6.000 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.010 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.300 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.040 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.140 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.440 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.250 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.220 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.260 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.340 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.290 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.170 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	254	g/L as CaCO	N
December 17, 2010	Alkalinity	12/Jun/12	261	g/L as CaCO	N
December 17, 2010	Alkalinity	11/Sep/12	243	g/L as CaCO	N
December 17, 2010	Aluminum	12/Jun/12	6.8	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.04	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.1	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.06	mg/L	N
December 17, 2010	Azoxystrobin	12/Jun/12	ND	ppb	N
December 17, 2010	Calcium	6/Mar/12	103	mg/L	N
December 17, 2010	Calcium	12/Jun/12	93.8	mg/L	N
December 17, 2010	Calcium	11/Sep/12	95.5	mg/L	N
December 17, 2010	Chloride	6/Mar/12	55	mg/L	N
December 17, 2010	Chloride	12/Jun/12	58	mg/L	N
December 17, 2010	Chloride	11/Sep/12	54	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.225	ug/L	N
December 17, 2010	Colour	6/Mar/12	3 <MDL	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3	TCU	N
December 17, 2010	Conductivity	6/Mar/12	716	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	715	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	694	uS/cm	N
December 17, 2010	Copper	12/Jun/12	3	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.002	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	1.4	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	3	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	1.4	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Fludioxonil	12/Jun/12	ND	ppb	N
December 17, 2010	Hardness	6/Mar/12	346	g/L as CaCO	N
December 17, 2010	Hardness	12/Jun/12	316	g/L as CaCO	N
December 17, 2010	Hardness	11/Sep/12	320	g/L as CaCO	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	123	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.56	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.86	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.84	@20C	N
December 17, 2010	Magnesium	6/Mar/12	21.4	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	19.9	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	19.8	mg/L	N
December 17, 2010	Manganese	12/Jun/12	72.8	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.6	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.08	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.08	mg/L	N

December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.31	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.25	mg/L	N
December 17, 2010	pH	6/Mar/12	7.79	no unit	N
December 17, 2010	pH	12/Jun/12	8.12	no unit	N
December 17, 2010	pH	11/Sep/12	8.19	no unit	N
December 17, 2010	Phosphorus	11/Sep/12	0.01 <MDL	mg/L	N
December 17, 2010	Potassium	6/Mar/12	2.84	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.88	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.72	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	7.57	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	7.53	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	8.02	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	443	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	403	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	417	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	33	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	32	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	30	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.016	mg/L	N
December 17, 2010	Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature @ pH	6/Mar/12	22.1	C	N
December 17, 2010	Temperature @ pH	11/Sep/12	22.4	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	1.36	NTU	N
December 17, 2010	Turbidity	23/May/12	0.18	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.94	NTU	N
December 17, 2010	Turbidity	11/Sep/12	1.93	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	5	ug/L	N

SITE: Fanshawe Well #3 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.06	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.4	ug/L	N
December 17, 2010	Barium	12/Jun/12	43.7	ug/L	N
December 17, 2010	Boron	12/Jun/12	35	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.008	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.13	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.17	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.12	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.48	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.013 <MDL	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	17.9	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.607	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.2 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.4 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.3 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.26 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.29 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	275	mg/L as CaCO3	N
December 17, 2010	Alkalinity	12/Jun/12	284	mg/L as CaCO3	N
December 17, 2010	Alkalinity	11/Sep/12	277	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	7.4	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.07	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.05	mg/L	N
December 17, 2010	Azoxystrobin	12/Jun/12	ND	ppb	N
December 17, 2010	Calcium	6/Mar/12	104	mg/L	N
December 17, 2010	Calcium	12/Jun/12	95.8	mg/L	N
December 17, 2010	Calcium	11/Sep/12	99	mg/L	N
December 17, 2010	Chloride	6/Mar/12	44	mg/L	N
December 17, 2010	Chloride	12/Jun/12	42	mg/L	N
December 17, 2010	Chloride	11/Sep/12	41	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.469	ug/L	N
December 17, 2010	Colour	6/Mar/12	4	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	705	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	686	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	698	uS/cm	N
December 17, 2010	Copper	12/Jun/12	2.3	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.004	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	2.1	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	3.1	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	1.1	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Fludioxonil	12/Jun/12	ND	ppb	N
December 17, 2010	Hardness	6/Mar/12	350	mg/L as CaCO3	N
December 17, 2010	Hardness	12/Jun/12	326	mg/L as CaCO3	N
December 17, 2010	Hardness	11/Sep/12	334	mg/L as CaCO3	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	217	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.6	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.85	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.93	@20C	N
December 17, 2010	Magnesium	6/Mar/12	22.3	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	21	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	20.9	mg/L	N
December 17, 2010	Manganese	12/Jun/12	271	ug/L	N
December 17, 2010	Nickel	12/Jun/12	2.4	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.13	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.09	mg/L	N

December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.75	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.06	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.11	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.7	mg/L	N
December 17, 2010	pH	6/Mar/12	7.79	no unit	N
December 17, 2010	pH	12/Jun/12	8.06	no unit	N
December 17, 2010	pH	11/Sep/12	8.14	no unit	N
December 17, 2010	Phosphorus	11/Sep/12	0.009 <MDL	mg/L	N
December 17, 2010	Potassium	6/Mar/12	2.95	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.92	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.76	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	8.69	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	8.32	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	9.13	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	414	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	411	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	406	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	22	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	21	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	21	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.018	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.021	mg/L	N
December 17, 2010	Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature @ pH	6/Mar/12	22.4	C	N
December 17, 2010	Temperature @ pH	11/Sep/12	22.6	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	1.53	NTU	N
December 17, 2010	Turbidity	12/Jun/12	1.89	NTU	N
December 17, 2010	Turbidity	23/May/12	0.33	NTU	N
December 17, 2010	Turbidity	11/Sep/12	1.73	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	11	ug/L	N

SITE: Fanshawe Well #4 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.06	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.4	ug/L	N
December 17, 2010	Barium	12/Jun/12	33.8	ug/L	N
December 17, 2010	Boron	12/Jun/12	20	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.004	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.16	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.19	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.14	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.31	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.171	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.217	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.262	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	0.3	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.182	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.224	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.273	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	0.3	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.011	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.007	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.01	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	16.8	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.831	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.2 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.4 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.3 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.26 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.29 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	257	mg/L as CaCO3	N
December 17, 2010	Alkalinity	12/Jun/12	275	mg/L as CaCO3	N
December 17, 2010	Alkalinity	11/Sep/12	256	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	6.4	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.04 <MDL	mg/L	N
December 17, 2010	Azoxystrobin	12/Jun/12	ND	ppb	N
December 17, 2010	Calcium	6/Mar/12	89.2	mg/L	N
December 17, 2010	Calcium	12/Jun/12	87.3	mg/L	N
December 17, 2010	Calcium	11/Sep/12	92	mg/L	N
December 17, 2010	Chloride	6/Mar/12	31	mg/L	N
December 17, 2010	Chloride	12/Jun/12	30	mg/L	N
December 17, 2010	Chloride	11/Sep/12	30	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.2	ug/L	N
December 17, 2010	Colour	6/Mar/12	3	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	617	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	619	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	625	uS/cm	N
December 17, 2010	Copper	12/Jun/12	1.6	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.002 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	1.5	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	3.3	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	1.2	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Fludioxonil	12/Jun/12	ND	ppb	N
December 17, 2010	Hardness	6/Mar/12	298	mg/L as CaCO3	N
December 17, 2010	Hardness	12/Jun/12	294	mg/L as CaCO3	N
December 17, 2010	Hardness	11/Sep/12	307	mg/L as CaCO3	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	103	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.62	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.89	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.93	@20C	N
December 17, 2010	Magnesium	6/Mar/12	18.4	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	18.4	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	18.7	mg/L	N
December 17, 2010	Manganese	12/Jun/12	138	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.5	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.61	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.07	mg/L	N

December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.59	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.07	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.05 <MDL	mg/L	N
December 17, 2010	pH	6/Mar/12	7.9	no unit	N
December 17, 2010	pH	12/Jun/12	8.15	no unit	N
December 17, 2010	pH	11/Sep/12	8.2	no unit	N
December 17, 2010	Phosphorus	11/Sep/12	0.01 <MDL	mg/L	N
December 17, 2010	Potassium	6/Mar/12	2.24	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.22	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.09	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	7.61	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	7.36	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	8.16	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	346	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	334	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	363	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	17	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	16	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	17	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.019	mg/L	N
December 17, 2010	Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature @ pH	6/Mar/12	22.3	C	N
December 17, 2010	Temperature @ pH	11/Sep/12	22.7	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	1.58	NTU	N
December 17, 2010	Turbidity	23/May/12	2.6	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.7	NTU	N
December 17, 2010	Turbidity	11/Sep/12	0.85	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	3	ug/L	N

SITE: Fanshawe Well #5 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.09	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.4	ug/L	N
December 17, 2010	Barium	12/Jun/12	45.3	ug/L	N
December 17, 2010	Boron	12/Jun/12	80	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.003 <MDL	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.5 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.1	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.06	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.09	mg/L	N
December 17, 2010	Fluoride	6/Mar/12	0.1	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.29	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	1.07	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	1.16	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	1.4	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	2.4	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	1.07	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	1.16	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	1.4	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	2.4	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.1 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	57	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.553	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.2 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.4 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.3 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.26 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.29 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.37 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	294	mg/L as CaCO3	N
December 17, 2010	Alkalinity	12/Jun/12	286	mg/L as CaCO3	N
December 17, 2010	Alkalinity	11/Sep/12	289	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	6.5	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.05	mg/L	N
December 17, 2010	Calcium	6/Mar/12	122	mg/L	N
December 17, 2010	Calcium	12/Jun/12	111	mg/L	N
December 17, 2010	Calcium	11/Sep/12	114	mg/L	N
December 17, 2010	Chloride	6/Mar/12	96	mg/L	N
December 17, 2010	Chloride	12/Jun/12	91	mg/L	N
December 17, 2010	Chloride	11/Sep/12	390	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.14	ug/L	N
December 17, 2010	Colour	6/Mar/12	3 <MDL	TCU	N
December 17, 2010	Colour	12/Jun/12	3 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	935	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	918	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	975	uS/cm	N
December 17, 2010	Copper	12/Jun/12	3.9	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.002 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	2.3	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	4.1	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	2.6	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Hardness	6/Mar/12	404	mg/L as CaCO3	N
December 17, 2010	Hardness	12/Jun/12	370	mg/L as CaCO3	N
December 17, 2010	Hardness	11/Sep/12	379	mg/L as CaCO3	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	23	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.7	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.9	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.99	@20C	N
December 17, 2010	Magnesium	6/Mar/12	24.1	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	22.5	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	23	mg/L	N
December 17, 2010	Manganese	12/Jun/12	0.71	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.4	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.15	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.05 <MDL	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.05 <MDL	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.11	mg/L	N

December 17, 2010	Organic Nitrogen	12/Jun/12	0.05	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.05 <MDL	mg/L	N
December 17, 2010	Phosphorus	11/Sep/12	0.01 <MDL	mg/L	N
December 17, 2010	pH	6/Mar/12	7.81	no unit	N
December 17, 2010	pH	11/Sep/12	8.14	no unit	N
December 17, 2010	pH	12/Jun/12	8.06	no unit	N
December 17, 2010	Potassium	6/Mar/12	2.8	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.53	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.15	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	9.03	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	7.49	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	8.36	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	543	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	526	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	611	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	67	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	64	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	270	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.006 <MDL	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.025	mg/L	N
December 17, 2010	Temperature @ pH	6/Mar/12	22	C	N
December 17, 2010	Temperature @ pH	11/Sep/12	22.4	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.03 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	1.47	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.3	NTU	N
December 17, 2010	Turbidity	23/May/12	0.43	NTU	N
December 17, 2010	Turbidity	11/Sep/12	1.11	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	3	ug/L	N

SITE: Fanshawe Well #6 - Raw

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.120	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.300	ug/L	N
December 17, 2010	Barium	12/Jun/12	23.200	ug/L	N
December 17, 2010	Boron	12/Jun/12	13.000	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.007	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.500 <MDL	ug/L	N
December 17, 2010	Fluoride	6/Mar/12	0.110	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.190	mg/L	N
December 17, 2010	Fluoride	11/Sep/12	0.090	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.310	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.051	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.141	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.067	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Dec/12	0.100	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.051	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.141	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.067	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Dec/12	0.100	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Dec/12	0.100 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Sodium*	12/Jun/12	6.900	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.396	ug/L	N

b) ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.320 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.160 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.200 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.410 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.190 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.400 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6.000 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.010 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.300 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.150 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.040 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.030 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.350 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.140 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.440 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.250 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.220 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	0.260 <MDL	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.340 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	0.290 <MDL	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	0.370 <MDL	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.170 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	6/Mar/12	227.000	mg/L as CaCO3	N
December 17, 2010	Alkalinity	12/Jun/12	222.000	mg/L as CaCO3	N
December 17, 2010	Alkalinity	11/Sep/12	235.000	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	7.400	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	6/Mar/12	0.040 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.040 <MDL	mg/L	N
December 17, 2010	Ammonia+Ammonium (N)	11/Sep/12	0.160	mg/L	N
December 17, 2010	Azoxystrobin	12/Jun/12	ND	ppb	N
December 17, 2010	Calcium	6/Mar/12	77.900	mg/L	N
December 17, 2010	Calcium	12/Jun/12	73.900	mg/L	N
December 17, 2010	Calcium	11/Sep/12	81.900	mg/L	N
December 17, 2010	Chloride	6/Mar/12	11.000	mg/L	N
December 17, 2010	Chloride	12/Jun/12	12.000	mg/L	N
December 17, 2010	Chloride	11/Sep/12	18.000	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.400	ug/L	N
December 17, 2010	Colour	6/Mar/12	3.000 <MDL	TCU	N
December 17, 2010	Colour	12/Jun/12	3.000 <MDL	TCU	N
December 17, 2010	Colour	11/Sep/12	3.000 <MDL	TCU	N
December 17, 2010	Conductivity	6/Mar/12	494.000	uS/cm	N
December 17, 2010	Conductivity	12/Jun/12	459.000	uS/cm	N
December 17, 2010	Conductivity	11/Sep/12	527.000	uS/cm	N
December 17, 2010	Copper	12/Jun/12	8.900	ug/L	N
December 17, 2010	Cyanide	6/Mar/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	12/Jun/12	0.002 <MDL	mg/L	N
December 17, 2010	Cyanide	11/Sep/12	0.002 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Dissolved Organic Carbon	6/Mar/12	1.900	mg/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	1.600	mg/L	N
December 17, 2010	Dissolved Organic Carbon	11/Sep/12	1.400	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.330 <MDL	ug/L	N
December 17, 2010	Fludioxonil	12/Jun/12	ND	ppb	N
December 17, 2010	Hardness	6/Mar/12	254.000	mg/L as CaCO3	N
December 17, 2010	Hardness	12/Jun/12	242.000	mg/L as CaCO3	N
December 17, 2010	Hardness	11/Sep/12	269.000	mg/L as CaCO3	N
December 17, 2010	Hydrogen Sulphide	6/Mar/12	0.014	mg/L	N
December 17, 2010	Hydrogen Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Iron	12/Jun/12	18.000	ug/L	N
December 17, 2010	Langelier`s Index	6/Mar/12	0.470	@20C	N
December 17, 2010	Langelier`s Index	12/Jun/12	0.690	@20C	N
December 17, 2010	Langelier`s Index	11/Sep/12	0.820	@20C	N
December 17, 2010	Magnesium	6/Mar/12	14.500	mg/L	N
December 17, 2010	Magnesium	12/Jun/12	13.900	mg/L	N
December 17, 2010	Magnesium	11/Sep/12	15.700	mg/L	N
December 17, 2010	Manganese	12/Jun/12	111.000	ug/L	N
December 17, 2010	Nickel	12/Jun/12	1.400	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	6/Mar/12	0.190	mg/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.160	mg/L	N

December 17, 2010	Nitrogen-Kjeldahl (N)	11/Sep/12	0.150	mg/L	N
December 17, 2010	Organic Nitrogen	6/Mar/12	0.150	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.160	mg/L	N
December 17, 2010	Organic Nitrogen	11/Sep/12	0.050 <MDL	mg/L	N
December 17, 2010	Phosphorus	11/Sep/12	0.009 <MDL	mg/L	N
December 17, 2010	pH	6/Mar/12	7.850	no unit	N
December 17, 2010	pH	12/Jun/12	8.100	no unit	N
December 17, 2010	pH	11/Sep/12	8.170	no unit	N
December 17, 2010	Potassium	6/Mar/12	2.570	mg/L	N
December 17, 2010	Potassium	12/Jun/12	2.290	mg/L	N
December 17, 2010	Potassium	11/Sep/12	2.300	mg/L	N
December 17, 2010	Reactive Silica	6/Mar/12	7.810	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	6.460	mg/L	N
December 17, 2010	Reactive Silica	11/Sep/12	7.360	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.010 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	6/Mar/12	280.000	mg/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	251.000	mg/L	N
December 17, 2010	Solids (Total Dissolved)	11/Sep/12	289.000	mg/L	N
December 17, 2010	Sulphate	6/Mar/12	8.900	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	8.300	mg/L	N
December 17, 2010	Sulphate	11/Sep/12	12.000	mg/L	N
December 17, 2010	Sulphide	6/Mar/12	0.107	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.023	mg/L	N
December 17, 2010	Sulphide	11/Sep/12	0.006 <MDL	mg/L	N
December 17, 2010	Temperature @ pH	6/Mar/12	21.600	C	N
December 17, 2010	Temperature @ pH	11/Sep/12	22.300	C	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.130 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.360 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	6/Mar/12	0.030 <MDL	mg/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.020 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5.000 <MDL	ug/L	N
December 17, 2010	Turbidity	6/Mar/12	0.400	NTU	N
December 17, 2010	Turbidity	23/May/12	0.300	NTU	N
December 17, 2010	Turbidity	12/Jun/12	0.120	NTU	N
December 17, 2010	Turbidity	11/Sep/12	0.240	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.390 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.390 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.170 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	3.000	ug/L	N

Summary of Inorganic parameters tested during this reporting period or the most recent sample results.

As outlined below, sampling was carried out for inorganic and organic parameters at the following sites: Arva Pumping Station, Highbury Ave. at Dingman Dr.

SITE: Arva Pumping Station - Treated Distribution

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.100	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.300	ug/L	N
December 17, 2010	Barium	12/Jun/12	14.600	ug/L	N
December 17, 2010	Boron	12/Jun/12	15.000	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.003 <MDL	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.500 <MDL	ug/L	N
December 17, 2010	Fluoride	4/Jan/12	0.790	mg/L	N
December 17, 2010	Fluoride	11/Jan/12	0.700	mg/L	N
December 17, 2010	Fluoride	18/Jan/12	0.630	mg/L	N
December 17, 2010	Fluoride	25/Jan/12	0.650	mg/L	N
December 17, 2010	Fluoride	1/Feb/12	0.630	mg/L	N
December 17, 2010	Fluoride	8/Feb/12	0.650	mg/L	N
December 17, 2010	Fluoride	15/Feb/12	0.630	mg/L	N
December 17, 2010	Fluoride	22/Feb/12	0.670	mg/L	N
December 17, 2010	Fluoride	29/Feb/12	0.680	mg/L	N
December 17, 2010	Fluoride	7/Mar/12	0.640	mg/L	N
December 17, 2010	Fluoride	14/Mar/12	0.660	mg/L	N
December 17, 2010	Fluoride	21/Mar/12	0.640	mg/L	N
December 17, 2010	Fluoride	28/Mar/12	0.690	mg/L	N
December 17, 2010	Fluoride	18/Apr/12	0.720	mg/L	N
December 17, 2010	Fluoride	25/Apr/12	0.700	mg/L	N
December 17, 2010	Fluoride	2/May/12	0.720	mg/L	N
December 17, 2010	Fluoride	9/May/12	0.680	mg/L	N
December 17, 2010	Fluoride	16/May/12	0.720	mg/L	N
December 17, 2010	Fluoride	23/May/12	0.680	mg/L	N
December 17, 2010	Fluoride	30/May/12	0.700	mg/L	N
December 17, 2010	Fluoride	6/Jun/12	0.880	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.780	mg/L	N
December 17, 2010	Fluoride	13/Jun/12	0.760	mg/L	N
December 17, 2010	Fluoride	20/Jun/12	0.750	mg/L	N
December 17, 2010	Fluoride	27/Jun/12	0.490	mg/L	N
December 17, 2010	Fluoride	4/Jul/12	0.700	mg/L	N
December 17, 2010	Fluoride	11/Jul/12	0.690	mg/L	N
December 17, 2010	Fluoride	18/Jul/12	0.630	mg/L	N
December 17, 2010	Fluoride	25/Jul/12	0.680	mg/L	N
December 17, 2010	Fluoride	1/Aug/12	0.690	mg/L	N

December 17, 2010	Fluoride	8/Aug/12	0.720	mg/L	N
December 17, 2010	Fluoride	15/Aug/12	0.640	mg/L	N
December 17, 2010	Fluoride	22/Aug/12	0.710	mg/L	N
December 17, 2010	Fluoride	29/Aug/12	0.630	mg/L	N
December 17, 2010	Fluoride	5/Sep/12	0.680	mg/L	N
December 17, 2010	Fluoride	12/Sep/12	0.670	mg/L	N
December 17, 2010	Fluoride	19/Sep/12	0.690	mg/L	N
December 17, 2010	Fluoride	26/Sep/12	0.640	mg/L	N
December 17, 2010	Fluoride	3/Oct/12	0.620	mg/L	N
December 17, 2010	Fluoride	10/Oct/12	0.640	mg/L	N
December 17, 2010	Fluoride	17/Oct/12	0.670	mg/L	N
December 17, 2010	Fluoride	24/Oct/12	0.680	mg/L	N
December 17, 2010	Fluoride	31/Oct/12	0.650	mg/L	N
December 17, 2010	Fluoride	7/Nov/12	0.690	mg/L	N
December 17, 2010	Fluoride	14/Nov/12	0.650	mg/L	N
December 17, 2010	Fluoride	21/Nov/12	0.620	mg/L	N
December 17, 2010	Fluoride	28/Nov/12	0.700	mg/L	N
December 17, 2010	Fluoride	5/Dec/12	0.600	mg/L	N
December 17, 2010	Fluoride	12/Dec/12	0.500	mg/L	N
December 17, 2010	Fluoride	19/Dec/12	0.500	mg/L	N
December 17, 2010	Fluoride	27/Dec/12	0.600	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.030	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.020 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.342	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.277	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.185	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	14/Dec/12	0.300	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.342	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.277	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.185	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	14/Dec/12	0.300	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	14/Dec/12	0.100 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1.000 <MDL	ug/L	N
December 17, 2010	Sodium	12/Jun/12	10.000	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.032	ug/L	N

b) ORGANIC PARAMETERS (including THM)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.02	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.03	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.004 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.2 <MDL	ug/L	N
December 17, 2010	1,2 - Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4 - Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2 - Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1 - Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4 - Dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4 - Dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.4 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.3 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6 - Tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6 - Trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	Trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	6/Mar/12	13	ug/L	N
December 17, 2010	Bromodichloromethane	6/Mar/12	4.7	ug/L	N
December 17, 2010	Bromoform	6/Mar/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	6/Mar/12	5.7	ug/L	N
December 17, 2010	Dibromochloromethane	6/Mar/12	2.4	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	22	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	6.8	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	12	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	3.4	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Sep/12	24	ug/L	N
December 17, 2010	Bromodichloromethane	11/Sep/12	6.6	ug/L	N
December 17, 2010	Bromoform	11/Sep/12	0.34	ug/L	N
December 17, 2010	Chloroform	11/Sep/12	13	ug/L	N
December 17, 2010	Dibromochloromethane	11/Sep/12	3.8	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Dec/12	17.6	ug/L	N
December 17, 2010	Bromodichloromethane	11/Dec/12	6.2	ug/L	N
December 17, 2010	Bromoform	11/Dec/12	0.3	ug/L	N
December 17, 2010	Chloroform	11/Dec/12	7.6	ug/L	N
December 17, 2010	Dibromochloromethane	11/Dec/12	3.5	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	12/Jun/12	75.00	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	39.80	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Calcium	12/Jun/12	26.60	mg/L	N
December 17, 2010	Chloride	12/Jun/12	8.80	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.02	ug/L	N
December 17, 2010	Colour	12/Jun/12	3.00 <MDL	TCU	N
December 17, 2010	Conductivity	12/Jun/12	240.00	uS/cm	N
December 17, 2010	Copper	12/Jun/12	7.40	ug/L	N
December 17, 2010	Cyanide	12/Jun/12	0.00 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.01	ug/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	1.60	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Hardness	12/Jun/12	98.30	mg/L as CaCO3	N
December 17, 2010	Iron	12/Jun/12	3.00 <MDL	ug/L	N
December 17, 2010	Langelier`s Index	12/Jun/12	-0.38	@20 C	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	Magnesium	12/Jun/12	7.77	mg/L	N
December 17, 2010	Manganese	12/Jun/12	0.25	ug/L	N
December 17, 2010	Nickel	12/Jun/12	0.60	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.07	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.07	mg/L	N
December 17, 2010	o-xylene	12/Jun/12	0.17 <MDL	ug/L	N
December 17, 2010	pH	12/Jun/12	7.92	no unit	N
December 17, 2010	Potassium	12/Jun/12	1.07	mg/L	N
December 17, 2010	Reactive Silica	12/Jun/12	1.54	mg/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	131.00	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	28.00	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.01 <MDL	mg/L	N
December 17, 2010	Surr 1,2-Dichloroethane-d4	12/Jun/12	104.00	Surr Rec %	N
December 17, 2010	Surr 4-Bromofluorobenzene	12/Jun/12	99.00	Surr Rec %	N
December 17, 2010	Surr Decachlorobiphenyl	12/Jun/12	94.00	%	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	<5	ug/L	N
December 17, 2010	2,4,5 - TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Turbidity	12/Jun/12	0.23	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	4.00	ug/L	N

SITE: Highbury Ave. at Dingman Dr. - Treated Distribution

a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Antimony	12/Jun/12	0.14	ug/L	N
December 17, 2010	Arsenic	12/Jun/12	0.70	ug/L	N
December 17, 2010	Barium	12/Jun/12	22.70	ug/L	N
December 17, 2010	Boron	12/Jun/12	21.00	ug/L	N
December 17, 2010	Cadmium	12/Jun/12	0.003 <MDL	ug/L	N
December 17, 2010	Chromium	12/Jun/12	0.50 <MDL	ug/L	N
December 17, 2010	Fluoride	4/Jan/12	0.60	mg/L	N
December 17, 2010	Fluoride	11/Jan/12	0.58	mg/L	N
December 17, 2010	Fluoride	18/Jan/12	0.53	mg/L	N
December 17, 2010	Fluoride	25/Jan/12	0.53	mg/L	N
December 17, 2010	Fluoride	1/Feb/12	0.53	mg/L	N
December 17, 2010	Fluoride	8/Feb/12	0.51	mg/L	N
December 17, 2010	Fluoride	15/Feb/12	0.50	mg/L	N
December 17, 2010	Fluoride	22/Feb/12	0.51	mg/L	N
December 17, 2010	Fluoride	29/Feb/12	0.44	mg/L	N
December 17, 2010	Fluoride	7/Mar/12	0.40	mg/L	N
December 17, 2010	Fluoride	14/Mar/12	0.46	mg/L	N
December 17, 2010	Fluoride	21/Mar/12	0.56	mg/L	N
December 17, 2010	Fluoride	28/Mar/12	0.52	mg/L	N
December 17, 2010	Fluoride	4/Apr/12	0.53	mg/L	N
December 17, 2010	Fluoride	11/Apr/12	0.57	mg/L	N
December 17, 2010	Fluoride	18/Apr/12	0.56	mg/L	N
December 17, 2010	Fluoride	25/Apr/12	0.53	mg/L	N
December 17, 2010	Fluoride	2/May/12	0.55	mg/L	N
December 17, 2010	Fluoride	9/May/12	0.50	mg/L	N
December 17, 2010	Fluoride	16/May/12	0.52	mg/L	N
December 17, 2010	Fluoride	23/May/12	0.53	mg/L	N
December 17, 2010	Fluoride	30/May/12	0.52	mg/L	N
December 17, 2010	Fluoride	6/Jun/12	0.50	mg/L	N
December 17, 2010	Fluoride	12/Jun/12	0.53	mg/L	N
December 17, 2010	Fluoride	13/Jun/12	0.47	mg/L	N
December 17, 2010	Fluoride	20/Jun/12	0.55	mg/L	N
December 17, 2010	Fluoride	27/Jun/12	0.76	mg/L	N
December 17, 2010	Fluoride	4/Jul/12	0.53	mg/L	N
December 17, 2010	Fluoride	11/Jul/12	0.56	mg/L	N
December 17, 2010	Fluoride	18/Jul/12	0.46	mg/L	N
December 17, 2010	Fluoride	25/Jul/12	0.51	mg/L	N
December 17, 2010	Fluoride	1/Aug/12	0.49	mg/L	N
December 17, 2010	Fluoride	8/Aug/12	0.56	mg/L	N
December 17, 2010	Fluoride	15/Aug/12	0.48	mg/L	N
December 17, 2010	Fluoride	22/Aug/12	0.56	mg/L	N
December 17, 2010	Fluoride	29/Aug/12	0.54	mg/L	N
December 17, 2010	Fluoride	5/Sep/12	0.54	mg/L	N
December 17, 2010	Fluoride	12/Sep/12	0.46	mg/L	N
December 17, 2010	Fluoride	19/Sep/12	0.48	mg/L	N
December 17, 2010	Fluoride	26/Sep/12	0.55	mg/L	N

December 17, 2010	Fluoride	3/Oct/12	0.51	mg/L	N
December 17, 2010	Fluoride	10/Oct/12	0.54	mg/L	N
December 17, 2010	Fluoride	17/Oct/12	0.55	mg/L	N
December 17, 2010	Fluoride	24/Oct/12	0.56	mg/L	N
December 17, 2010	Fluoride	31/Oct/12	0.59	mg/L	N
December 17, 2010	Fluoride	7/Nov/12	0.60	mg/L	N
December 17, 2010	Fluoride	14/Nov/12	0.56	mg/L	N
December 17, 2010	Fluoride	21/Nov/12	0.55	mg/L	N
December 17, 2010	Fluoride	28/Nov/12	0.50	mg/L	N
December 17, 2010	Fluoride	5/Dec/12	0.60	mg/L	N
December 17, 2010	Fluoride	12/Dec/12	0.40	mg/L	N
December 17, 2010	Fluoride	19/Dec/12	0.40	mg/L	N
December 17, 2010	Fluoride	27/Dec/12	0.50	mg/L	N
December 17, 2010	Lead	12/Jun/12	0.38	ug/L	N
December 17, 2010	Mercury	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Nitrate (as nitrogen)	6/Mar/12	0.163	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	12/Jun/12	0.129	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	11/Sep/12	0.044	mg/L	N
December 17, 2010	Nitrate (as nitrogen)	14/Dec/12	0.200	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	6/Mar/12	0.163	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	12/Jun/12	0.129	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	11/Sep/12	0.044	mg/L	N
December 17, 2010	Nitrate + Nitrite (as nitrogen)	14/Dec/12	0.200	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	6/Mar/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	12/Jun/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	11/Sep/12	0.005 <MDL	mg/L	N
December 17, 2010	Nitrite (as nitrogen)	14/Dec/12	0.100 <MDL	mg/L	N
December 17, 2010	Selenium	12/Jun/12	1.00 <MDL	ug/L	N
December 17, 2010	Sodium	12/Jun/12	9.70	mg/L	N
December 17, 2010	Uranium	12/Jun/12	0.12	ug/L	N

b) ORGANIC PARAMETERS (including THM)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alachlor	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Aldicarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin + Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Aldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Dieldrin	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Atrazine	12/Jun/12	0.09 0.00	ug/L	N
December 17, 2010	Atrazine + N-dealkylated metabolites	12/Jun/12	0.12 0.00	ug/L	N
December 17, 2010	Azinphos-methyl	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Bendiocarb	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Benzene	12/Jun/12	0.32 <MDL	ug/L	N
December 17, 2010	Benzo(a)pyrene	12/Jun/12	0.00 <MDL	ug/L	N
December 17, 2010	Bromoxynil	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Carbaryl	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbofuran	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Carbon tetrachloride	12/Jun/12	0.16 <MDL	ug/L	N
December 17, 2010	Chlordane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	a-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	g-chlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Oxychlordane	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Chlorpyrifos	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Cyanazine	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Diazinon	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Dicamba	12/Jun/12	0.20 <MDL	ug/L	N
December 17, 2010	1,2-Dichlorobenzene	12/Jun/12	0.41 <MDL	ug/L	N
December 17, 2010	1,4-Dichlorobenzene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Dichlorodiphenyltrichloroethane (DDT) + Me	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	op-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDD	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDE	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	pp-DDT	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	1,2-Dichloroethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	1,1-Dichloroethylene (vinylidene chloride)	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Dichloromethane	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	2,4-dichlorophenoxyacetic acid (2,4-D)	12/Jun/12	0.19 <MDL	ug/L	N
December 17, 2010	Diclofop-methyl	12/Jun/12	0.40 <MDL	ug/L	N
December 17, 2010	Dimethoate	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Dinoseb	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Diquat	12/Jun/12	1.00 <MDL	ug/L	N
December 17, 2010	Diuron	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Glyphosate	12/Jun/12	6.00 <MDL	ug/L	N
December 17, 2010	Heptachlor	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor + Heptachlor Epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Heptachlor epoxide	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Lindane (Total)	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Malathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Methoxychlor	12/Jun/12	0.01 <MDL	ug/L	N

December 17, 2010	Metolachlor	12/Jun/12	0.04 0.00	ug/L	N
December 17, 2010	Metribuzin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Monochlorobenzene	12/Jun/12	0.30 <MDL	ug/L	N
December 17, 2010	Paraquat	12/Jun/12	1.00 <MDL	ug/L	N
December 17, 2010	Parathion	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Pentachlorophenol	12/Jun/12	0.15 <MDL	ug/L	N
December 17, 2010	Phorate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Picloram	12/Jun/12	1.00 <MDL	ug/L	N
December 17, 2010	Polychlorinated Biphenyls (PCBs)	12/Jun/12	0.04 <MDL	ug/L	N
December 17, 2010	Prometryne	12/Jun/12	0.03 <MDL	ug/L	N
December 17, 2010	Simazine	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Temephos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Terbufos	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Tetrachloroethylene (perchloroethylene)	12/Jun/12	0.35 <MDL	ug/L	N
December 17, 2010	2,3,4,6-tetrachlorophenol	12/Jun/12	0.14 <MDL	ug/L	N
December 17, 2010	Triallate	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Trichloroethylene	12/Jun/12	0.44 <MDL	ug/L	N
December 17, 2010	2,4,6-trichlorophenol	12/Jun/12	0.25 <MDL	ug/L	N
December 17, 2010	2,4,5-trichlorophenoxyacetic acid (2,4,5-T)	12/Jun/12	0.22 <MDL	ug/L	N
December 17, 2010	Trifluralin	12/Jun/12	0.02 <MDL	ug/L	N
December 17, 2010	Trihalomethanes (total)	6/Mar/12	12.00	ug/L	N
December 17, 2010	Bromodichloromethane	6/Mar/12	4.30	ug/L	N
December 17, 2010	Bromoform	6/Mar/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	6/Mar/12	4.80	ug/L	N
December 17, 2010	Dibromochloromethane	6/Mar/12	2.40	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	26.00	ug/L	N
December 17, 2010	Bromodichloromethane	12/Jun/12	8.00	ug/L	N
December 17, 2010	Bromoform	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	12/Jun/12	15.00	ug/L	N
December 17, 2010	Dibromochloromethane	12/Jun/12	3.10	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Sep/12	44.00	ug/L	N
December 17, 2010	Bromodichloromethane	11/Sep/12	11.00	ug/L	N
December 17, 2010	Bromoform	11/Sep/12	0.34 <MDL	ug/L	N
December 17, 2010	Chloroform	11/Sep/12	28.00	ug/L	N
December 17, 2010	Dibromochloromethane	11/Sep/12	4.60	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Dec/12	12.70	ug/L	N
December 17, 2010	Bromodichloromethane	11/Dec/12	4.50	ug/L	N
December 17, 2010	Bromoform	11/Dec/12	0.20	ug/L	N
December 17, 2010	Chloroform	11/Dec/12	5.20	ug/L	N
December 17, 2010	Dibromochloromethane	11/Dec/12	2.70	ug/L	N
December 17, 2010	Vinyl Chloride	12/Jun/12	0.17 <MDL	ug/L	N

c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Alkalinity	12/Jun/12	82.00	mg/L as CaCO3	N
December 17, 2010	Aluminum	12/Jun/12	58.50	ug/L	N
December 17, 2010	Ammonia+Ammonium (N)	12/Jun/12	0.04 <MDL	mg/L	N
December 17, 2010	Calcium	12/Jun/12	34.00	mg/L	N
December 17, 2010	Chloride	12/Jun/12	19.00	mg/L	N
December 17, 2010	Cobalt	12/Jun/12	0.05	ug/L	N
December 17, 2010	Colour	12/Jun/12	3.00 <MDL	TCU	N
December 17, 2010	Conductivity	12/Jun/12	290.00	uS/cm	N
December 17, 2010	Copper	12/Jun/12	4.00	ug/L	N
December 17, 2010	Cyanide	12/Jun/12	0.00 <MDL	mg/L	N
December 17, 2010	De-ethylated atrazine	12/Jun/12	0.03	ug/L	N
December 17, 2010	Dissolved Organic Carbon	12/Jun/12	1.90	mg/L	N
December 17, 2010	Ethylbenzene	12/Jun/12	0.33 <MDL	ug/L	N
December 17, 2010	Hardness	12/Jun/12	120.00	mg/L as CaCO3	N
December 17, 2010	Iron	12/Jun/12	27.00	ug/L	N
December 17, 2010	Langelier`s Index	12/Jun/12	-0.31	@20 C	N
December 17, 2010	Magnesium	12/Jun/12	8.55	mg/L	N
December 17, 2010	Manganese	12/Jun/12	5.11	ug/L	N
December 17, 2010	Nickel	12/Jun/12	0.90	ug/L	N
December 17, 2010	Nitrogen-Kjeldahl (N)	12/Jun/12	0.10	mg/L	N
December 17, 2010	Organic Nitrogen	12/Jun/12	0.07	mg/L	N
December 17, 2010	pH	12/Jun/12	7.85	no unit	N
December 17, 2010	Potassium	12/Jun/12	1.66	mg/L	N
December 17, 2010	Silica Oxide	12/Jun/12	1.00 <MDL	ug/L	N
December 17, 2010	Silver	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Solids (Total Dissolved)	12/Jun/12	149.00	mg/L	N
December 17, 2010	Sulphate	12/Jun/12	32.00	mg/L	N
December 17, 2010	Sulphide	12/Jun/12	0.02	mg/L	N
December 17, 2010	Temperature	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Toluene	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Chlorine	12/Jun/12	0.36 <MDL	ug/L	N
December 17, 2010	Total Phosphorus	12/Jun/12	0.02 <MDL	mg/L	N
December 17, 2010	Toxaphene	12/Jun/12	5.00 <MDL	ug/L	N
December 17, 2010	2,4,5-TP (Silvex)	12/Jun/12	0.13 <MDL	ug/L	N
December 17, 2010	Tritium	11/Dec/12	12.70	ug/L	N
December 17, 2010	Turbidity	12/Jun/12	0.33	NTU	N
December 17, 2010	Xylene (Total)	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	m/p-xylene	12/Jun/12	0.39 <MDL	ug/L	N
December 17, 2010	o-xylene	12/Jun/12	0.01 <MDL	ug/L	N
December 17, 2010	Zinc	12/Jun/12	4.00	ug/L	N

Summary of Inorganic/Organic parameters tested during this reporting period.

As outlined below, sampling was carried out for THM's at 214 Rathowan St., 4318 Colonel Talbot Rd.

SITE: 214 Rathowan St. - Treated Distribution
b) ORGANIC PARAMETERS (THM)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Trihalomethanes (total)	6/Mar/12	16.00	ug/L	N
December 17, 2010	(bromodichloromethane)	6/Mar/12	5.60	ug/L	N
December 17, 2010	(bromoform)	6/Mar/12	0.34 <MDL	ug/L	N
December 17, 2010	(chloroform)	6/Mar/12	7.10	ug/L	N
December 17, 2010	(dibromochloromethane)	6/Mar/12	2.80	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	26.00	ug/L	N
December 17, 2010	(bromodichloromethane)	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	(bromoform)	12/Jun/12	7.40	ug/L	N
December 17, 2010	(chloroform)	12/Jun/12	15.00	ug/L	N
December 17, 2010	(dibromochloromethane)	12/Jun/12	3.40	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Sep/12	31.00	ug/L	N
December 17, 2010	(bromodichloromethane)	11/Sep/12	7.70	ug/L	N
December 17, 2010	(bromoform)	11/Sep/12	0.34 <MDL	ug/L	N
December 17, 2010	(chloroform)	11/Sep/12	19.00	ug/L	N
December 17, 2010	(dibromochloromethane)	11/Sep/12	4.30	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Dec/12	16.30	ug/L	N
December 17, 2010	(bromodichloromethane)	11/Dec/12	0.10	ug/L	N
December 17, 2010	(bromoform)	11/Dec/12	5.10	ug/L	N
December 17, 2010	(chloroform)	11/Dec/12	8.50	ug/L	N
December 17, 2010	(dibromochloromethane)	11/Dec/12	2.60	ug/L	N

SITE: 4318 Colonel Talbot Rd. - Treated Distribution

b) ORGANIC PARAMETERS (THM)

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Trihalomethanes (total)	6/Mar/12	16.00	ug/L	N
December 17, 2010	(bromodichloromethane)	6/Mar/12	5.90	ug/L	N
December 17, 2010	(bromoform)	6/Mar/12	0.34 <MDL	ug/L	N
December 17, 2010	(chloroform)	6/Mar/12	6.80	ug/L	N
December 17, 2010	(dibromochloromethane)	6/Mar/12	3.10	ug/L	N
December 17, 2010	Trihalomethanes (total)	12/Jun/12	33.00	ug/L	N
December 17, 2010	(bromodichloromethane)	12/Jun/12	0.34 <MDL	ug/L	N
December 17, 2010	(bromoform)	12/Jun/12	8.40	ug/L	N
December 17, 2010	(chloroform)	12/Jun/12	21.00	ug/L	N
December 17, 2010	(dibromochloromethane)	12/Jun/12	3.70	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Sep/12	49.00	ug/L	N
December 17, 2010	(bromodichloromethane)	11/Sep/12	11.00	ug/L	N
December 17, 2010	(bromoform)	11/Sep/12	0.53	ug/L	N
December 17, 2010	(chloroform)	11/Sep/12	33.00	ug/L	N
December 17, 2010	(dibromochloromethane)	11/Sep/12	5.20	ug/L	N
December 17, 2010	Trihalomethanes (total)	11/Dec/12	22.20	ug/L	N
December 17, 2010	(bromodichloromethane)	11/Dec/12	0.20	ug/L	N
December 17, 2010	(bromoform)	11/Dec/12	7.00	ug/L	N
December 17, 2010	(chloroform)	11/Dec/12	11.90	ug/L	N
December 17, 2010	(dibromochloromethane)	11/Dec/12	3.20	ug/L	N

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Date of Municipal Drinking Water Licence	Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
December 17, 2010	Fluoride	6/Dec/12	0.78	mg/L	N

Appendix 'B'
2012 Annual Report
(Elgin-Middlesex Pumping Station)

Drinking-Water System Number:	260004917
Drinking-Water System Name:	**Elgin Middlesex Pumping Station – City of London Distribution System**
Drinking-Water System Owner:	City of London
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2012 through December 31, 2012

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [X] No [ ]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

City of London
300 Dufferin Ave
London, ON
N6B 1Z2
www.london.ca

Elgin Area Water Treatment Plant
43665 Dexter Line, Union, ON

Complete for all other Categories.

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to: N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Systems that receive their drinking water directly from the London EMPS:

Drinking Water System Name	Drinking Water System Number
City of London Distribution System	260004917

Systems that receive their drinking water indirectly from the City of London EMPS:

Drinking Water System Name	Drinking Water System Number
Municipality of Central Elgin	260004761

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes [X] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

- **[X] Public access/notice via the web**
- **[X] Public access/notice via Government Office**
- **[ ] Public access/notice via a newspaper**
- **[X] Public access/notice via Public Request**
- **[ ] Public access/notice via a Public Library**
- **[ ] Public access/notice via other method ____**

Operating Authority

The operating authority from January 1, 2012 – June 30, 2012 was American Water Canada Corp.
The operating authority from July 1, 2012 – December 31, 2012 was Ontario Clean Water Agency.

Describe your Drinking-Water System

The Elgin Middlesex Pumping Station (EMPS) receives water from the Elgin Area Primary Water Supply System, which is located to the east of Port Stanley. Through various secondary water supply systems, the EMPS serves the Cities of London and St. Thomas, Town of Aylmer, and Municipalities of Central Elgin, Malahide and Southwold.

The EMPS is a shared facility encompassing a twin celled reservoir with a total capacity of 54,600m^3. Booster pumps are dedicated to directing water to the City of London, St. Thomas Secondary and/or Aylmer Secondary Water Supply Systems. The EMPS houses a surge facility to service the London re-transmission main.

Three pipelines exit the EMPS: one pipeline runs North along Highbury Avenue, servicing the London Distribution system; the second exits to the south of the EMPS property and extends West to service the St. Thomas Secondary System; the third exits to the South, eventually picking up Highway 3 and then runs in an Easterly direction to service the municipalities on the Aylmer Secondary System.

List all water treatment chemicals used over this reporting period

No re-treatment of water destined for London took place at the EMPS in 2012.

Were any significant expenses incurred to?

- [ ] Install required equipment
- [X] Repair required equipment
- [X] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

January 1, 2012 – June 30, 2012 (American Water Canada Corp.):

July 1, 2012 – December 31, 2012 (Ontario Clean Water Agency):
-change chlorine probes to meet the demands of higher pH water (7.8).
-repairs to surge tank air compressors, replaced unload cages.

Notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
N/A	N/A	N/A	N/A	N/A	N/A

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Results (CFU/100 mL) (min #)-(max #)	Range of Total Coliform Results (CFU/100 mL) (min #)-(max #)	Number of Heterotrophic Plate Count (HPC) Samples	Range of HPC Results (CFU/1 mL) (min #)-(max #)
Distribution	22	0 - 0	0 - 0	22	(<10) – (80)

OCWA – July1, 2012 – December 31, 2012

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

Analyte	Number of Grab Samples (Continuous Monitoring)	Min	Max	Avg
Free Chlorine Residual (mg/L)	8760	0.52	2.00	0.85

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
THM (NOTE: result value is based on latest annual average)	January 31, 2012 April 11, 2012 July 11, 2012 October 16, 2012	8.10 18.4 31 34	µg/L µg/L µg/L µg/L	NO

Appendix 'C'
2012 Summary Report
(Summary of Water Pumpage)

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Sunday	1/Jan/12	23,161	96,631	102,430
Monday	2/Jan/12	23,155	94,863	117,793
Tuesday	3/Jan/12	23,224	91,542	121,079
Wednesday	4/Jan/12	23,819	89,605	114,777
Thursday	5/Jan/12	23,230	101,575	119,394
Friday	6/Jan/12	23,149	91,885	122,926
Saturday	7/Jan/12	23,129	99,205	117,373
Sunday	8/Jan/12	23,133	103,349	125,355
Monday	9/Jan/12	23,128	105,108	124,853
Tuesday	10/Jan/12	23,132	102,031	123,585
Wednesday	11/Jan/12	23,128	97,453	123,738
Thursday	12/Jan/12	23,124	97,789	123,393
Friday	13/Jan/12	23,145	93,980	125,693
Saturday	14/Jan/12	23,125	101,420	126,604
Sunday	15/Jan/12	23,145	***116,378***	***132,984***
Monday	16/Jan/12	20,932	109,250	124,319
Tuesday	17/Jan/12	23,129	108,151	122,938
Wednesday	18/Jan/12	23,135	98,368	127,140
Thursday	19/Jan/12	23,129	105,207	125,855
Friday	20/Jan/12	23,118	97,700	125,779
Saturday	21/Jan/12	23,134	109,475	124,041
Sunday	22/Jan/12	23,133	101,295	126,261
Monday	23/Jan/12	23,129	96,457	111,919
Tuesday	24/Jan/12	18,055	92,750	126,138
Wednesday	25/Jan/12	***27,876***	92,507	128,050
Thursday	26/Jan/12	23,131	101,364	123,142
Friday	27/Jan/12	23,129	100,256	118,650
Saturday	28/Jan/12	23,132	96,548	114,944
Sunday	29/Jan/12	23,123	100,599	122,821
Monday	30/Jan/12	23,120	104,112	122,496
Tuesday	31/Jan/12	23,125	96,458	122,515
January 2012 Monthly Max		27,876	116,378	132,984
January 2012 Monthly Average		23,077	99,889	123,019
January 2012 Total		692,296	2,996,680	3,690,555

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Wednesday	1/Feb/12	16,070	99,567	117,892
Thursday	2/Feb/12	24,609	92,523	118,710
Friday	3/Feb/12	25,130	92,442	124,111
Saturday	4/Feb/12	25,060	92,734	119,372
Sunday	5/Feb/12	25,061	103,528	122,952
Monday	6/Feb/12	23,056	***103,721***	119,562
Tuesday	7/Feb/12	23,066	95,490	122,840
Wednesday	8/Feb/12	23,070	100,106	124,078
Thursday	9/Feb/12	23,067	99,068	120,782
Friday	10/Feb/12	23,065	95,514	116,099
Saturday	11/Feb/12	23,276	91,216	116,748
Sunday	12/Feb/12	23,071	99,314	124,189
Monday	13/Feb/12	23,057	100,935	123,767
Tuesday	14/Feb/12	25,992	101,147	116,120
Wednesday	15/Feb/12	25,520	97,209	125,434
Thursday	16/Feb/12	23,059	97,705	122,117
Friday	17/Feb/12	23,061	97,196	117,551
Saturday	18/Feb/12	23,066	93,020	113,606
Sunday	19/Feb/12	23,056	86,350	112,563
Monday	20/Feb/12	23,053	97,449	121,404
Tuesday	21/Feb/12	23,055	93,801	117,758
Wednesday	22/Feb/12	11,299	97,444	117,537
Thursday	23/Feb/12	20,101	97,406	117,281
Friday	24/Feb/12	20,841	96,717	108,990
Saturday	25/Feb/12	26,101	89,419	118,000
Sunday	26/Feb/12	27,039	93,561	119,698
Monday	27/Feb/12	27,047	91,495	109,523
Tuesday	28/Feb/12	***30,094***	88,703	***131,649***
Wednesday	29/Feb/12	25,790	97,056	118,562
February 2012 Monthly Max		30,094	103,721	131,649
February 2012 Monthly Max		23,408	95,925	119,341
February 2012 Total		678,832	2,781,838	3,460,895

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Thursday	1/Mar/12	25,717	97,068	118,501
Friday	2/Mar/12	***25,252***	89,125	113,250
Saturday	3/Mar/12	23,158	88,964	115,955
Sunday	4/Mar/12	23,156	96,710	122,797
Monday	5/Mar/12	23,161	101,433	121,437
Tuesday	6/Mar/12	23,154	97,214	120,819
Wednesday	7/Mar/12	23,159	97,395	122,358
Thursday	8/Mar/12	23,152	97,489	120,416
Friday	9/Mar/12	23,156	93,882	116,587
Saturday	10/Mar/12	23,155	87,192	115,533
Sunday	11/Mar/12	23,154	97,017	119,269
Monday	12/Mar/12	23,150	97,556	115,745
Tuesday	13/Mar/12	23,143	101,104	119,512
Wednesday	14/Mar/12	22,824	91,426	108,388
Thursday	15/Mar/12	23,103	73,724	121,179
Friday	16/Mar/12	23,122	89,968	124,815
Saturday	17/Mar/12	23,121	104,556	116,885
Sunday	18/Mar/12	23,122	109,731	***126,088***
Monday	19/Mar/12	23,121	108,021	123,251
Tuesday	20/Mar/12	23,123	107,922	123,153
Wednesday	21/Mar/12	23,114	100,809	125,050
Thursday	22/Mar/12	23,115	100,932	124,949
Friday	23/Mar/12	23,109	92,600	116,866
Saturday	24/Mar/12	23,101	89,391	113,590
Sunday	25/Mar/12	23,103	93,489	123,807
Monday	26/Mar/12	20,185	104,057	120,409
Tuesday	27/Mar/12	8,971	115,633	120,996
Wednesday	28/Mar/12	8,885	100,511	120,896
Thursday	29/Mar/12	4,894	***119,790***	120,625
Friday	30/Mar/12	23,106	96,835	116,785
Saturday	31/Mar/12	23,095	93,369	117,365
March 2012 Monthly Max		25,252	119,790	126,088
March 2012 Monthly Average		21,539	97,928	119,693
March 2012 Total		646,164	2,937,847	3,590,775

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Sunday	1/Apr/12	23,100	100,473	122,672
Monday	2/Apr/12	23,101	101,312	124,413
Tuesday	3/Apr/12	23,105	102,086	125,191
Wednesday	4/Apr/12	23,129	101,108	125,587
Thursday	5/Apr/12	23,127	101,289	118,554
Friday	6/Apr/12	23,132	89,364	117,457
Saturday	7/Apr/12	23,129	93,284	114,158
Sunday	8/Apr/12	23,133	94,147	114,574
Monday	9/Apr/12	15,125	101,631	125,775
Tuesday	10/Apr/12	14,129	108,628	119,600
Wednesday	11/Apr/12	16,120	105,569	121,915
Thursday	12/Apr/12	18,124	100,791	122,748
Friday	13/Apr/12	23,122	101,171	120,685
Saturday	14/Apr/12	23,129	97,718	119,269
Sunday	15/Apr/12	23,123	102,003	125,352
Monday	16/Apr/12	18,098	104,389	122,937
Tuesday	17/Apr/12	15,172	104,633	125,217
Wednesday	18/Apr/12	18,116	104,380	125,202
Thursday	19/Apr/12	18,124	***112,703***	127,219
Friday	20/Apr/12	18,118	112,018	122,019
Saturday	21/Apr/12	18,376	102,252	112,736
Sunday	22/Apr/12	19,595	99,957	130,601
Monday	23/Apr/12	***23,154***	104,468	122,661
Tuesday	24/Apr/12	23,122	96,184	123,816
Wednesday	25/Apr/12	23,122	99,838	126,342
Thursday	26/Apr/12	23,129	103,996	124,644
Friday	27/Apr/12	23,120	103,772	121,255
Saturday	28/Apr/12	23,127	94,107	119,940
Sunday	29/Apr/12	23,123	110,131	***135,509***
Monday	30/Apr/12	23,125	101,071	126,902
April 2012 Monthly Max		23,154	112,703	135,509
April 2012 Monthly Average		20,948	101,816	122,832
April 2012 Total		628,449	3,054,471	3,684,950

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Tuesday	1/May/12	23,121	104,877	126,194
Wednesday	2/May/12	23,125	105,304	127,527
Thursday	3/May/12	23,122	101,842	132,179
Friday	4/May/12	23,126	104,480	122,420
Saturday	5/May/12	23,125	100,670	125,825
Sunday	6/May/12	23,130	116,101	134,721
Monday	7/May/12	23,120	101,984	123,977
Tuesday	8/May/12	23,129	106,083	127,182
Wednesday	9/May/12	23,125	98,183	126,720
Thursday	10/May/12	23,120	106,397	131,772
Friday	11/May/12	23,128	102,453	124,453
Saturday	12/May/12	23,128	102,074	128,810
Sunday	13/May/12	23,130	114,576	130,942
Monday	14/May/12	23,126	111,852	139,487
Tuesday	15/May/12	23,119	114,991	139,689
Wednesday	16/May/12	23,113	124,259	132,715
Thursday	17/May/12	23,126	113,089	141,627
Friday	18/May/12	23,126	113,144	146,867
Saturday	19/May/12	23,120	131,628	155,199
Sunday	20/May/12	23,116	131,562	154,227
Monday	21/May/12	23,119	139,672	168,203
Tuesday	22/May/12	23,118	133,675	142,137
Wednesday	23/May/12	36,245	37,400	130,466
Thursday	24/May/12	***53,586***	98,873	***170,527***
Friday	25/May/12	37,854	***153,986***	147,646
Saturday	26/May/12	17,432	137,709	130,112
Sunday	27/May/12	10,959	135,412	143,440
Monday	28/May/12	23,120	138,608	154,738
Tuesday	29/May/12	23,133	113,949	141,592
Wednesday	30/May/12	23,117	122,618	141,225
Thursday	31/May/12	23,263	107,218	136,569
	May 2012 Monthly Max	53,586	153,986	170,527
	May 2012 Monthly Average	24,477	113,926	138,433
	May 2012 Total	734,300	3,417,792	4,152,994

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Friday	1/Jun/12	23,162	109,993	124,587
Saturday	2/Jun/12	23,120	101,301	122,166
Sunday	3/Jun/12	23,124	110,119	130,762
Monday	4/Jun/12	23,108	96,282	120,067
Tuesday	5/Jun/12	***24,264***	97,598	140,802
Wednesday	6/Jun/12	23,158	119,873	140,326
Thursday	7/Jun/12	23,155	120,518	145,702
Friday	8/Jun/12	23,193	123,269	143,305
Saturday	9/Jun/12	23,157	122,000	136,589
Sunday	10/Jun/12	23,189	138,616	162,932
Monday	11/Jun/12	23,166	123,475	145,514
Tuesday	12/Jun/12	23,146	119,772	145,849
Wednesday	13/Jun/12	23,152	124,613	152,275
Thursday	14/Jun/12	23,165	132,276	157,470
Friday	15/Jun/12	23,063	144,028	158,297
Saturday	16/Jun/12	23,155	127,716	151,548
Sunday	17/Jun/12	23,145	120,388	134,739
Monday	18/Jun/12	23,128	119,972	150,315
Tuesday	19/Jun/12	23,221	117,107	170,543
Wednesday	20/Jun/12	23,155	***166,464***	***174,737***
Thursday	21/Jun/12	23,134	152,160	156,128
Friday	22/Jun/12	23,136	129,326	143,609
Saturday	23/Jun/12	23,131	130,246	143,441
Sunday	24/Jun/12	23,119	135,769	142,713
Monday	25/Jun/12	23,123	117,359	141,610
Tuesday	26/Jun/12	23,122	122,809	152,470
Wednesday	27/Jun/12	23,120	143,791	166,009
Thursday	28/Jun/12	23,116	146,789	170,581
Friday	29/Jun/12	23,112	163,231	158,312
Saturday	30/Jun/12	23,111	135,535	166,313
June 2012 Monthly Max		24,264	166,464	174,737
June 2012 Monthly Average		23,178	127,080	148,324
June 2012 Total		695,350	3,812,395	4,449,711

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Sunday	1/Jul/12	23,100	143,600	159,259
Monday	2/Jul/12	23,120	126,534	176,281
Tuesday	3/Jul/12	23,129	111,156	141,275
Wednesday	4/Jul/12	23,117	122,159	145,952
Thursday	5/Jul/12	23,117	147,673	155,883
Friday	6/Jul/12	23,116	129,940	162,977
Saturday	7/Jul/12	23,114	141,988	159,014
Sunday	8/Jul/12	23,115	147,112	168,198
Monday	9/Jul/12	23,117	155,654	172,908
Tuesday	10/Jul/12	23,117	152,137	175,931
Wednesday	11/Jul/12	23,122	152,417	184,332
Thursday	12/Jul/12	23,286	166,674	***185,876***
Friday	13/Jul/12	23,121	167,050	177,319
Saturday	14/Jul/12	23,121	147,021	170,367
Sunday	15/Jul/12	23,132	116,644	143,384
Monday	16/Jul/12	23,120	144,323	163,159
Tuesday	17/Jul/12	23,126	143,459	172,222
Wednesday	18/Jul/12	23,124	148,347	180,039
Thursday	19/Jul/12	23,199	127,664	140,240
Friday	20/Jul/12	23,122	119,250	154,799
Saturday	21/Jul/12	23,118	143,040	157,364
Sunday	22/Jul/12	23,124	151,067	174,191
Monday	23/Jul/12	23,125	151,703	177,534
Tuesday	24/Jul/12	***27,336***	119,168	181,003
Wednesday	25/Jul/12	23,124	***169,651***	156,826
Thursday	26/Jul/12	23,123	123,744	145,097
Friday	27/Jul/12	23,108	120,116	135,537
Saturday	28/Jul/12	23,135	114,890	132,686
Sunday	29/Jul/12	23,102	127,988	149,302
Monday	30/Jul/12	23,122	122,271	153,410
Tuesday	31/Jul/12	23,125	118,387	157,428
	July 2012 Monthly Max	27,336	169,651	185,876
	July 2012 Monthly Average	23,264	137,846	161,606
	July 2012 Total	721,177	4,273,227	5,009,773

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Wednesday	1/Aug/12	23,124	135,150	163,257
Thursday	2/Aug/12	23,121	***152,169***	163,253
Friday	3/Aug/12	23,121	149,889	165,334
Saturday	4/Aug/12	23,101	142,376	153,888
Sunday	5/Aug/12	23,131	114,045	137,176
Monday	6/Aug/12	23,122	121,067	158,440
Tuesday	7/Aug/12	23,124	127,569	165,402
Wednesday	8/Aug/12	23,133	144,797	***165,582***
Thursday	9/Aug/12	23,103	132,169	136,986
Friday	10/Aug/12	23,130	116,044	132,339
Saturday	11/Aug/12	23,127	100,251	119,202
Sunday	12/Aug/12	23,128	105,337	145,401
Monday	13/Aug/12	23,121	127,716	143,726
Tuesday	14/Aug/12	23,125	112,651	140,225
Wednesday	15/Aug/12	23,119	119,613	148,048
Thursday	16/Aug/12	23,126	127,348	145,158
Friday	17/Aug/12	***23,134***	106,109	139,279
Saturday	18/Aug/12	***23,134***	112,584	136,892
Sunday	19/Aug/12	23,107	131,789	141,906
Monday	20/Aug/12	23,120	131,837	148,130
Tuesday	21/Aug/12	23,119	127,683	149,908
Wednesday	22/Aug/12	23,124	115,840	156,141
Thursday	23/Aug/12	23,124	135,225	157,759
Friday	24/Aug/12	22,121	128,090	155,215
Saturday	25/Aug/12	23,111	138,839	154,586
Sunday	26/Aug/12	23,106	147,504	157,874
Monday	27/Aug/12	23,128	106,176	145,285
Tuesday	28/Aug/12	23,109	117,938	151,327
Wednesday	29/Aug/12	23,120	134,116	156,356
Thursday	30/Aug/12	23,118	142,883	158,666
Friday	31/Aug/12	13,223	142,189	161,573
August 2012 Monthly Max		23,134	152,169	165,582
August 2012 Monthly Average		22,769	127,322	150,139
August 2012 Total		705,854	3,946,993	4,654,314

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Saturday	1/Sep/12	10,032	***149,866***	151,377
Sunday	2/Sep/12	30,876	133,923	159,490
Monday	3/Sep/12	23,118	139,744	***174,638***
Tuesday	4/Sep/12	***32,610***	126,981	143,055
Wednesday	5/Sep/12	25,557	127,176	149,174
Thursday	6/Sep/12	26,102	124,065	155,209
Friday	7/Sep/12	23,135	116,159	141,371
Saturday	8/Sep/12	23,134	108,695	132,029
Sunday	9/Sep/12	23,114	120,464	141,501
Monday	10/Sep/12	23,119	123,478	143,335
Tuesday	11/Sep/12	23,122	120,529	145,727
Wednesday	12/Sep/12	23,122	124,191	151,756
Thursday	13/Sep/12	23,121	127,917	152,807
Friday	14/Sep/12	23,133	113,772	131,583
Saturday	15/Sep/12	23,130	105,855	137,257
Sunday	16/Sep/12	23,116	123,389	143,555
Monday	17/Sep/12	23,120	127,382	141,620
Tuesday	18/Sep/12	23,135	113,457	134,219
Wednesday	19/Sep/12	23,141	116,076	138,028
Thursday	20/Sep/12	23,128	101,039	132,475
Friday	21/Sep/12	23,129	102,442	130,002
Saturday	22/Sep/12	23,122	100,559	124,566
Sunday	23/Sep/12	23,138	116,222	133,451
Monday	24/Sep/12	23,131	109,790	135,881
Tuesday	25/Sep/12	23,140	113,934	136,189
Wednesday	26/Sep/12	23,138	114,447	137,585
Thursday	27/Sep/12	23,137	113,660	137,092
Friday	28/Sep/12	23,130	109,985	130,152
Saturday	29/Sep/12	23,135	102,308	128,996
Sunday	30/Sep/12	23,117	118,085	136,462
September 2012 Monthly Max		32,610	149,866	174,638
September 2012 Monthly Average		23,446	118,192	141,019
September 2012 Total		703,382	3,545,770	4,230,582

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Monday	1/Oct/12	23,123	111,901	135,914
Tuesday	2/Oct/12	23,132	99,227	133,878
Wednesday	3/Oct/12	23,130	105,018	134,602
Thursday	4/Oct/12	23,132	104,147	*136,337*
Friday	5/Oct/12	23,106	*125,603*	121,381
Saturday	6/Oct/12	23,135	99,870	118,853
Sunday	7/Oct/12	23,132	88,767	114,568
Monday	8/Oct/12	23,133	103,646	129,152
Tuesday	9/Oct/12	23,135	103,207	128,122
Wednesday	10/Oct/12	23,133	100,170	129,499
Thursday	11/Oct/12	*30,902*	100,248	129,380
Friday	12/Oct/12	23,134	100,243	124,262
Saturday	13/Oct/12	23,135	100,313	120,793
Sunday	14/Oct/12	23,137	105,047	130,249
Monday	15/Oct/12	23,136	108,646	124,688
Tuesday	16/Oct/12	21,431	97,938	123,808
Wednesday	17/Oct/12	16,934	117,157	127,576
Thursday	18/Oct/12	30,176	92,780	127,997
Friday	19/Oct/12	23,144	96,924	120,953
Saturday	20/Oct/12	23,149	96,810	119,369
Sunday	21/Oct/12	23,142	105,309	128,746
Monday	22/Oct/12	23,143	101,846	125,873
Tuesday	23/Oct/12	23,146	101,870	124,132
Wednesday	24/Oct/12	23,147	102,071	126,692
Thursday	25/Oct/12	23,151	102,819	128,920
Friday	26/Oct/12	23,149	97,304	117,503
Saturday	27/Oct/12	23,147	70,504	114,194
Sunday	28/Oct/12	23,151	122,184	130,692
Monday	29/Oct/12	23,150	105,114	124,429
Tuesday	30/Oct/12	23,145	101,400	124,545
Wednesday	31/Oct/12	23,150	101,386	122,176
October 2012 Monthly Max		30,902	125,603	136,337
October 2012 Monthly Average		23,361	102,241	125,783
October 2012 Total		724,180	3,169,469	3,899,283

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Thursday	1/Nov/12	23,147	97,344	123,441
Friday	2/Nov/12	23,148	96,929	119,780
Saturday	3/Nov/12	***23,152***	105,401	125,309
Sunday	4/Nov/12	***23,152***	***108,944***	128,544
Monday	5/Nov/12	23,146	101,183	124,329
Tuesday	6/Nov/12	***23,152***	100,453	126,862
Wednesday	7/Nov/12	22,850	101,603	125,832
Thursday	8/Nov/12	22,851	101,329	124,180
Friday	9/Nov/12	22,852	97,488	117,981
Saturday	10/Nov/12	22,852	92,881	117,208
Sunday	11/Nov/12	22,850	101,408	125,437
Monday	12/Nov/12	22,852	104,634	122,162
Tuesday	13/Nov/12	22,846	100,873	121,643
Wednesday	14/Nov/12	22,845	96,849	121,473
Thursday	15/Nov/12	22,893	92,870	120,499
Friday	16/Nov/12	22,848	92,761	117,674
Saturday	17/Nov/12	22,849	92,336	120,493
Sunday	18/Nov/12	22,857	107,801	***131,539***
Monday	19/Nov/12	22,498	97,004	122,142
Tuesday	20/Nov/12	22,847	100,849	120,469
Wednesday	21/Nov/12	22,843	100,692	122,358
Thursday	22/Nov/12	22,845	98,420	121,532
Friday	23/Nov/12	22,842	100,183	115,088
Saturday	24/Nov/12	22,848	100,802	118,645
Sunday	25/Nov/12	22,842	105,409	123,532
Monday	26/Nov/12	22,841	104,420	123,706
Tuesday	27/Nov/12	22,839	101,205	124,044
Wednesday	28/Nov/12	22,842	100,959	122,615
Thursday	29/Nov/12	22,841	100,684	121,152
Friday	30/Nov/12	22,843	92,955	117,281
November 2012 Monthly Max		23,152	108,944	131,539
November 2012 Monthly Average		22,897	99,555	122,225
November 2012 Total		686,911	2,986,649	3,666,750

DAY	DATE	ELGIN PUMPAGE (m3)	ARVA PUMPAGE (m3)	TOTAL LONDON CONSUMPTION (m3)
Rated Capacity	-	95,800 m3 / day	318,000 m3 / day	413,800 m3 / day
Saturday	1/Dec/12	22,851	92,820	117,450
Sunday	2/Dec/12	22,846	***100,615***	122,868
Monday	3/Dec/12	22,843	96,618	122,427
Tuesday	4/Dec/12	22,760	97,247	120,601
Wednesday	5/Dec/12	***31,987***	68,842	***123,483***
Thursday	6/Dec/12	22,846	97,154	122,655
Friday	7/Dec/12	22,842	97,206	115,624
Saturday	8/Dec/12	22,843	96,936	115,038
Sunday	9/Dec/12	22,847	97,102	122,618
Monday	10/Dec/12	22,846	96,579	120,315
Tuesday	11/Dec/12	22,845	96,396	121,897
Wednesday	12/Dec/12	22,950	100,083	122,149
Thursday	13/Dec/12	22,841	100,506	119,499
Friday	14/Dec/12	22,841	87,831	113,340
Saturday	15/Dec/12	22,841	91,456	114,297
Sunday	16/Dec/12	22,847	95,855	116,924
Monday	17/Dec/12	22,842	91,879	115,398
Tuesday	18/Dec/12	22,839	89,186	115,858
Wednesday	19/Dec/12	22,837	89,587	117,159
Thursday	20/Dec/12	22,842	93,919	115,634
Friday	21/Dec/12	22,842	88,964	110,227
Saturday	22/Dec/12	22,841	88,419	111,937
Sunday	23/Dec/12	22,845	85,760	112,213
Monday	24/Dec/12	22,846	89,075	110,568
Tuesday	25/Dec/12	22,843	92,870	97,900
Wednesday	26/Dec/12	22,338	85,356	107,468
Thursday	27/Dec/12	22,842	85,698	116,432
Friday	28/Dec/12	22,826	86,126	115,942
Saturday	29/Dec/12	22,842	85,320	110,866
Sunday	30/Dec/12	22,838	85,393	112,289
Monday	31/Dec/12	22,846	81,422	108,778
December 2012 Monthly Max		31,987	100,615	123,483
December 2012 Monthly Average		23,122	92,007	115,802
December 2012 Total		716,785	2,852,220	3,569,856